BCIS Alumni Wall 2023–2024





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Foreword

BCIS is known as the school that empowers students to pursue their passions, developing future-ready competencies, and applying their learning to positively impact their communities. A model for cosmopolitan education, we celebrate diversity and empower students to engage as global citizens in an interconnected world.

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I am very excited to see this year's Alumni Wall Exhibition, located next to my office in the Secondary School building. I pause as I pass each day, because the alumni who are showcased on this wall are a true representation of our diverse community and each of them demonstrates the **BCIS** mission in action. These BCIS Alumni continue to pursue their passions and are making a difference in their respective fields and communities around the world. We are proud to showcase alumni who are cutting-edge research scientists at Oxford University and MIT, alumni who are trailblazing techies in electrical and software engineering at Apple and Tesla. We have alumni who are leading lawyers, investment managers, entrepreneurs and F4 racing drivers! One of our talented alumni graphic designers even designed and created this Alumni Wall Exhibition!!

When I read these amazing alumni stories, I am reminded why it is so important that we place personalization at the heart of the BCIS experience, actively engaging and involving learners, empowering, and inspiring them to think and act critically and creatively at the appropriate level of challenge. While each of our alumni's personal journeys is truly unique, they share one thing in common - they are all BCIS Alumni who remain connected, enriching our community and they continue to inspire us!

We are very proud that, wherever they are currently living, studying and working, our alumni consider BCIS their home and continue contributing to our community. BCIS Alumni demonstrate leadership and collaboration through a range of activities from Alumni Panel discussions to project mentorship, from sharing their expertise in classes to offering Enrichment Activities, providing truly enhanced, personalized, high-quality learning opportunities for BCIS students.

I invite you to explore and enjoy this Alumni Wall Exhibition, learn more about BCIS Alumni and take inspiration from them as they continue their learning journeys, and as you continue yours!

> Tom Egerton, BCIS Head of School



"北京乐成国际学校(BCIS)赋予学生追 求自己的激情,培养面向未来的能力,并 鼓励他们运用所学为所在社区带来积极影 响。BCIS 提供国际化教育,拥抱多元化的 社区文化,鼓励学生能够以世界公民的身 份积极参与到这个迅速发展的现代世界中。

我非常期待今年位于中学部校长办公室旁的校友墙展览。每天经过时我都会驻足停留,因为在这面墙上展示的校友是我们多元化社区的真实代表,他们每个人的成长故事都展示了BCIS的使命——继续追求他们的热爱,学习工作在世界各地,在各自的领域和所处的社区中发挥着积极作用。在这次的展览中,我们骄傲地向大家展示了在牛津大学和麻省理工学院从事前沿研究的科学家,以及在苹果和特斯拉等科技公司从事电子和软件工程领域的技术开拓者们的故事。我们的校友不乏顶尖的律师、投资经理、企业家和F4赛车手,其中一位才华横溢的年轻校友,也担任了平面设计师设计制作了此次的校友墙。

每当我读到这些引人入胜的校友故事时, 总会使我想起为什么把个性化置于 BCIS 战略发展计划的核心位置是如此重要;为 什么鼓励学生积极参与,督促和激励他们 在适当的水平挑战自己,进行批判性和创 造性的思考和行动如此重要。虽然每个校 友的经历都是独一无二的,但他们都有一 个共同身份 — BCIS 校友。他们始终保 持联系,丰富着 BCIS 的社区生活,持续 激励着 BCIS 社区成员们。 我们引以为豪的是,无论他们目前在何处 生活、学习或者是工作,我们的校友都 把 BCIS 视作他们的家,并持续为我们的 社区做出贡献。BCIS 校友通过一系列的 活动展示了他们的领导力和合作能力,从 校友讨论分享会到项目指导,再从在课堂 上分享他们的专业知识到提供丰富的活动, 这些都为 BCIS 学生提供了个性化和高质 量的学习机会。

我诚挚地邀请您与我们一同探索新一期的 BCIS 校友墙展览,了解更多关于 BCIS 校 友们的故事,并从他们的学习之旅中获得 启发,继续开拓属于您的 BCIS 旅程!"

Tom Egerton 北京乐成国际学校校长



Currently living in Florida, Abdallah is continuing his college studies. He always aspired to become a professional racing driver but has pressed the pause button for a while. However, racing has left an indelible mark on his life, and the roar of highperformance engines still rings in his ears from time to time despite being on campus.

"Cornering and overtaking is undoubtedly the part that tests a driver's mental agility and skill, and I have to be very focused and not hesitate for a second on a corner." That said, driving skills are only one part of becoming a racing driver, and Abdallah's perseverance in sport and challenge continue to inspire his selfgrowth. On his journey from hobbyist to professional racer, he encountered many unexpected challenges. Abdallah's most serious accident was when three go-karts rear-ended, and the race had to be interrupted. The staff dragged him from his car and into an ambulance because two gokarts were stacked on top of his car. Abdallah has always worked hard to become a professional racing driver, although he feels the racing industry has undergone a great transformation in the past few years due to the intervention of capital. Racing and training are inherently expensive, and finding sponsors is not easy. Moving from F4 to F1 used to be his only dream, but now he realizes that there are many possibilities in life.

Abdallah grew up in Bahrain², where encouragement from an F2 professional driver ignited the racing passion in the young novice. He got his first taste of driving in a go-kart³ at the age of 6 and began his vocational training at the age of 14. Due to his father's work as a diplomat, the family lived and traveled internationally. and consequently Abdallah studied and thrived in the BCIS community for several years. Here he felt an unprecedented sense of inclusion and tolerance, and Beijing's vitality as an international city was infectious. Although his classmates' interests were completely different, some sweat in volleyball, others raced against time in the pool, while Abdallah was racing on the field as a soccer player, respecting the cultures of different countries and active and effective communication is something he treasures from his studies and varied activities at BCIS.

Although Abdallah has been on the podium many times in competitive karting and F4 racing, his most memorable experience was a conversation in front of the garage with his F1 racing idol, Niki Lauda⁴. "It's never too late to start, never give up." As Niki Lauda encouraged, Abdallah never forgets the roar of the track, and certainly doesn't let any chance of getting close to his dreams slip away.

1 Formula racing: Open-wheel racing is a race using "open wheels" (tires on the outside of the body) and single-seat. The most famous Formula car is Formula 1. Formula 4 (F4) as a regional event, created by the FIA as an entry-level category for young drivers, bridges the gap between karting and Formula 3 as part of the Road to F1 plan.

2 Bahrain: Bahrain was the first country in the Persian Gulf region to discover and exploit oil.

3 Go-Kart: also known as Kart or Karting, is a single-seat mini (racing) car equipped with or without a cabin. The wheels make independent contact with the ground, with rear-wheel drive and braking, and frontwheel steering. This small-scale racing sport originated in California, USA, in the 1950s. Karting serves as both a miniature vehicle and a precursor to Formula 1, making it the birthplace of modern motorsports.

4 Niki Lauda: Legendary racing driver and businessman. He suffered a serious accident during the 1976 German Grand Prix, resulting in extensive facial burns and near death. However, he made a comeback at the Italian Grand Prix just six weeks later. When Abdallah and his friends asked Niki Lauda if it was too late to start professional training, he encouraged him by saying that "I didn't start racing until I was 19 and it's never too late to do what you want to do".

Interview conducted and profile written by Anna Ren. Abdallah 目前生活在弗罗里达,继续他的 大学学业。在那之前他一直渴望成为一名 职业赛车手。尽管这个梦想如今按下了暂 停键,但这段经历在他的人生中留下了无 法磨灭的印记,虽然身在校园,但赛车引 擎的轰鸣仍然不时在他耳畔响起。

"弯道, 超车无疑是最考验赛车手心 态与技巧的部分,在转弯的那一分钟需要 高度专注而且没有犹豫。"即便如此,驾 驶技巧仅仅是成为赛车手的一部分、不断 激励 Abdallah 自我成长的还有坚忍不拔 的运动精神与挑战精神。从爱好者到职业 赛车的路上,他遇到了许多意料之外的挑 战。最严重的一次事故是由于三辆车接连 追尾而不得不中断比赛,三辆卡丁车叠在 一起、工作人员把他从最下面的一辆车里 拖出来送上了救护车。他一直为了成为一 名职业赛车手而努力,但赛车行业却在过 去的几年间由于资本的干预发生了很大的 转变。赛车比赛与训练本身就十分昂贵,然 而找到赞助商却并不容易。从 F4 一路升 至 F1 曾是 Abdallah 唯一的梦想, 而现在 他意识到、除此之外人生还有许多其他可 能。

Abdallah 从小生活在巴林²,那时 来自一名 F2 职业赛车手的鼓励点燃了懵 懂的 Abdellah 心中的赛车梦想。6岁时, 他坐在卡丁车³里第一次尝到驾驶的滋味, 14岁时开始接受职业训练。但由于父亲在 使馆的工作,他们全家辗转在各个国家和 城市居住和生活,就这样在 BCIS 社区学 习生活了几年。在这里他感受到了前所未 有的包容,北京作为国际化都市的活力也 感染了他。尽管每个同学的志趣都各不相 同,有人在为排球狂撒汗水,有人在泳池 里争分夺秒,而 Abdallah 作为足球队员 在赛场上风驰电掣。尊重不同国家的文化 和积极有效的沟通是他在 BCIS 这段学习 生活中得到的宝贵收获。

尽管在竞技卡丁车和 F4 赛车比赛中 他许多次站上领奖台,而对于他来说最难 忘的经历,莫过于跟偶像 Niki Lauda⁴ 的 在车库前面的聊天。"永远没有太晚开始, 永远不要放弃。"就如 Niki Lauda 鼓励的 那样,他永远不会忘记赛场上的轰鸣声,当 然也不会让任何无限接近梦想的机会溜走。

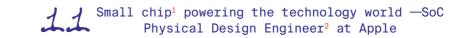
1 Formula racing 方程式赛车:也称开轮式赛车 (openwheel racing),是使用"开轮式"(车胎在车身外面)和单座 位的赛车比赛。最出名的方程式赛车是一级方程式。四级方程 式 (F4) 作为地区性赛事,由国际汽联 (FIA)创建,作为年轻 车手的入门级类别,弥合了卡丁车和三级方程式之间的差距,是 F1之路计划的一部分。

2 巴林:巴林是波斯湾地区第一个发现和开采石油的国家。 卡丁车 Karting:也称 Kart 或 Go-Kart,有车厢或无 车厢的单座微型(竞赛)汽车,车轮独立地接触地面,后两轮 驱、制动,前两轮导向,小型赛车运动起源于50年代的美国 加州。Karting作为一种小型汽车,也是 F1方程式的预前赛车, 是现代赛车运动的摇篮。

4 尼基·劳达 (Niki Lauda): 传奇赛车手,商人。在 1976 年德国大奖赛期间遭遇严重事故,导致面部大面积烧伤,险些 丧命。然而在仅仅 6 周后他却在意大利大奖赛中重新复出。当 Abdallah 和他的朋友问尼基·劳达,现在开始职业训练是不是 太晚了,他鼓励说"我 19 岁才开始赛车,做你想做的事情永 远不会太晚"。

采访与文字编辑 --- Anna Ren

Small chip¹ powering the technology world — SoC Physical Design Engineer² at Apple





Alex Ding BCIG CLASS OF 2015

What is it like to work in Apple³, the world's largest technology company by revenue and market capitalization? Alex Ding, a BCIS 2015 graduate, provides us with a clear answer: "We work with time, and mistakes in planning are intolerable."

As an SoC Physical Design Engineer at Apple in San Diego, Alex devotes himself to the field of chip design, specifically the process of "timing closure⁴". That means, his main job is to ensure the chip he designed can function normally under different deviations resulting from production, which guarantees a basic lifespan of the chip inside the hardware (such as iPhone or iPad) after a period of usage. This sounds simple, but in fact, playing the role of a gatekeeper, Alex often faces huge physical and mental pressure before the chip is put into production.

"When I first started with my job," Alex explains during the interview, "I felt there is a huge gap between the things I learned from school and what I really need to know for my career." Although he graduated with both a BS and MS in Electrical Engineering from the University of Southern California, as a newbie to the job, Alex once experienced an existential crisis, where he had to gain extensive handson experience and new skills to catch up with his seniors in the industry. To do that, Alex invested a great amount of time and energy after work, reading tons of documents from the company's intranet sites and regularly reviewing his understanding.

However, it took less than two vears for Alex to transform from an edgy student to a competent expert. "My job-hunting journey has a lot to do with luck and opportunities," says Alex humorously. But from the conversation we had with him, be it studying Mathematics Higher Level in the DP curriculum at BCIS, or designing the graphics cards for Nvidia in the year of the pandemic outbreak, or blueprinting the chips of iPhone 16 and 17 at Apple, he never stops overcoming challenges of his work and life. We believe, in the near future, such a spirit will continue to empower him to achieve even greater aspirations.



1 Chip: computer chip, also called chip, integrated circuit or small wafer of semiconductor material embedded with integrated circuitry. Chips comprise the processing and memory units of the modern digital computer.

2 SoC Physical Design Engineer: SoC (System on Chip) design engineers are responsible for the design, implementation, and validation of complex, multi-million gate-integrated chips. They play a critical role in the development of the latest generation of computing, mobile, and embedded systems.

3 Apple Inc.: the biggest company in the world by market cap. The company's commitment to innovation and high-quality design has made it a consumer favorite and a titan among the top companies by market cap. Apple's stock ended trading Friday valued at \$3 trillion, the only company ever to reach that milestone. (June 30, 2023)

4 Timing Closure: Timing closure is the process that determines a chip's speed by satisfying the timing constraints (opens in a new tab). It ensures that all the signals arrive at the correct time for smoother chip operation.

Interview conducted and profile written by Celina Wang.



Deciphering the world through bottled poetry — The story between a philosopher and his wines

"我们与时间竞速,产品从设计到生产的每 一个环节安排得都十分紧凑,不容出错。" 这是 Alex 作为版图设计工程师在全球市 值排名第一³的苹果公司工作三年后,和 我们分享他最真实的体会。

在位于圣地亚哥的苹果芯片设计团队 中 Alex 主要负责"时序收敛⁸"这一环节。 芯片的设计需保证在合理的制作工艺偏差 下仍能正常运行,从而确保其相应的苹果 电子产品(例如 iPhone 或 iPad)有正常 的使用寿命。"时序收敛"意味着 Alex 和 团队成员担负着把关人的角色——确保 将设计图纸交付给制造商时,芯片的设计 在合理的容错范围内都可以正常运行。这 听起来容易,实则整个团队经常在芯片正 式投产之前承担着巨大压力。

"刚入行时," Alex 说,"我真切感受到 课堂知识和真实工作之间存在着巨大的差 距。收到苹果的面试时我欣喜若狂,但是 第一次面试之后,我觉得肯定没戏了,因 为刚毕业没多久,大多数的实践性问题我 都回答不上来。"尽管拿到了南加州大学 电气工程的学士和硕士学位,新员工 Alex 还是经历了严峻的职场生存危机。于是他 开始在工作之余,大量阅读并学习公司内 部网站上的资料,这才慢慢迎头赶上实践 经丰富且技能出众的业内前辈们。

然而,两年的时间里,Alex 已然从 一个蹑手蹑脚的新手变成了独当一面的专 家。"我的求职之旅跟运气与机遇有很大关 系" Alex 打趣说道。但从我们同 Alex 的交 流来看,他只是谦虚罢了,面对个人成长 路上的重重挑战他都没有退缩。无论是在 BCIS 的 DP 数学高阶课程的学习,还是 在疫情爆发那一年在 Nvidia 实习设计游 戏显卡,又或者是在苹果公司设计 iPhone 16 和 17 的芯片, Alex 一直不断克服着工 作和生活中接踵而至的挑战。在不久的将 来,相信这种精神将持续激励他去实现更 大的理想。

1 芯片: Chip,"集成电路 (integrated circuit)",缩写为 "IC"。我们使用的电脑、手机和其他数字电器,以及计算、交 流、制造、交通系统以及互联网,全都依赖于集成电路,因此 集成电路在现代社会中无处不在。

2 版图设计工程师:专业版图设计人员,主要负责通过 EDA 设计工具,进行集成电路后端的版图设计和验证,最终产 生送交供集成电路制造用的 GDSII 数据。

3 全球市值排名第一的上市公司:近日苹果成为世界第一 家市值达到3万亿美元的上市公司。这超过了AT&T、波音、可 口可乐、康卡斯特、迪士尼、埃克森美孚、福特、高盛、IBM、 麦当劳、摩根士丹利、Netflix、耐克和沃尔玛等美国巨头公司的 市值总和。如今,苹果公司已经成为最能赚钱的上市公司之一 苹果最近一个财年实现了3940亿美元的销售额和1000亿 美元的利润,成为全球第二大盈利公司,仅次于沙特阿美公司。 4 时序收敛(Timing closure):是现场可编程逻辑门阵列、 专用集成电路等集成电路设计过程中,调整、修改设计,从而 使得所设计的电路满足时序要求的过程。

采访与文字编辑 --- Celina Wang





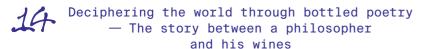
Andy Liu 3019 OLASS OF 2013

A sip of Burgundy is not simply a mellow taste on the tongue, but a meditative and embodied process that Andy, a BCIS 2013 graduate, perceives this esoteric world. Working as a wine dealer for the past five years, Andy owns a natural wine import business¹ in Beijing. He recently returned from a trip around Europe, visiting many new wineries seeking opportunities for future corporation.

When asked how he decided to pursue a career in the wine industry, Andy answered the question with unexpected determination. Working with wines is Andy's perpetual passion cultivated during summer in his sophomore year. Majoring in Philosophy at Boston University, Andy participated a summer exchange project of Honor Program in Paris in 2015. Unexpectedly, he became engrossed in the culinary culture, and wine is a big part of it.

People may wonder how his academic achievement in philosophy connects with food and wines, but Andy identifies two strong

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correlations. The knowledge Andy gained from philosophy study has remarkably changed his approaches to observing and thinking, especially when he learnt about terroir². Inspired by his favorite Swiss philosopher, Saussure, and Saussure's semiotic theories in Linguistics³, Andy poetically explained how wines and languages are similar – both can articulate the subtleties of this hardto-explain world. Just as the slight nuances between signifiers gave meaning to language, each winery becomes significant by distinguishing themselves from each other. To Andy, philosophy endows the very soul of his job.

However, having such wisdom is not a "24/7" situation for Andv. When it comes to raising a child, things flipped. "The birth of my daughter redefines the significance of my life." Andy, who didn't hesitate about his career, experienced countless hesitations, and confusions during her growth as if everything he does is wrong and imperfect. "As parents, we can only expect ourselves to make fewer mistakes," Andy admits. At this year's alumni reunion, Andy brought his wife and daughter to visit the BCIS campus. As a sign of his unbreakable bond with the BCIS community, he also filmed a commemorative video for the newly graduated Class of 2023 and brought a selection of fine wines to share at the YCE Board Reception.

Wines, therefore, are an intellectual way for Andy to interact with this world, continually empowering him to unearth the profound meaning of his life and bringing new insights and warmth to the people around him.

1 Populis Wine: follow Andy's official WeChat account learn more about wine and his special selections. 2 Terroir: a French term used to describe the environmental factors that affect a crop's phenotype, including unique environment contexts, farming practices and a crop's specific growth habitat. Collectively, these contextual characteristics are said to have a character; terroir also refers to this character.

3 Ferdinand de Saussure: was a Swiss linguist, semiotician, and philosopher. His most influential work, Course in General Linguistics. In semiotics, signified and signifier (French: signifié and signifiant) stand for the two main components of a sign, where signified pertains to the "plane of content", while signifier is the "plane of expression".

Interview conducted and profile written by Celina Wang. 试想一个风和日丽的下午,你在欧洲的某 个庄园里抿上了一小口勃艮第红酒,你是 否会陶醉于它在你舌尖上留下的醇厚味 道?于大多数人而言,品酒或许只关乎其 味道和情调,但于 BCIS 2013 届的毕业生 Andy 而言,品酒却是他在这大千世界中 冥想和求索的过程。自 2018 年起,Andy 从事葡萄酒经销商的工作已有五年,并在 北京拥有一家天然葡萄酒的进口公司¹。 最近的他刚刚从欧洲出差回国,在那里,他 拜访了许多新的酒庄,为公司将来的合作 寻找着新的机会。

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当被问及是如何决定从事与葡萄酒相 关的工作时,Andy 的回答出人意料的坚 定。在波士顿学院念大二时,Andy 便开 始对酒商的工作产生了兴趣。2015年,在 一次偶然去巴黎做交换生的暑期项目期间, 他迷上了那里的饮食文化,尤其是酒文化。

你可能会为 Andy 在哲学领域的学术 造诣与他对美食和美酒的兴趣之间的联系 而感到疑惑,但 Andy 却认为两者之间有 着密不可分的关联。哲学很大程度上改 变了 Andy 看待和思索世界的方式, 这种 影响在他尝试去领略每个酒庄的风土²时 尤为显著。受他最喜爱的瑞士哲学家,索 绪尔,其提出的语言符号学理论的启发³, Andy 极富诗意地向我们阐明了葡萄酒和 语言学的共通之处——即两者都能以文字 或味觉上的细微差别向我们显示这个世界 难以琢磨的奥妙。正如"能指"之间的细 微差别赋予了语言以意义一样、每个酒庄 独一无二的意义也正源于它本身与其他酒 庄的差别。对于 Andy 而言, 哲学赋予了工 作的灵魂。

然而,生活中的 Andy,也不总是这 样冷静和智慧。当谈到抚养孩子时, Andy 似乎变了一个人:"我女儿弥弥的诞生让 我对人生的意义有了全新的认识。"在事 业上毫不犹豫的 Andy, 在弥弥的成长过 程中却经历了无数次的彷徨和迷茫。Andy 经常感到,自己为孩子所做的一切都是错 误的、不够完美的。"作为父母,我们似 乎只能期望自己少犯一些错。"就在今年, Andy 也带着妻子和女儿一同出席了校友 开放日活动,与他的家人一起回到了这个 他曾经的"家"。除此之外, Andy 也为刚 刚在 BCIS 毕业的 2023 届毕业典礼拍摄 了纪念视频,并在 YCE 董事招待会上带 来了一系列精选美酒与大家分享。虽然已 经毕业十年, Andy 与 BCIS 的社区始终 保持着紧密的联系。

酒──这个承载着 Andy 与这个世界 独特的互动方式的媒介──不仅帮 Andy 不断挖掘着人生深刻的奥秘,也时常为他 与身边人带来新的感动和温暖。

1 众葡道(Populis Wine):关注 Andy 公司的官方微信 公众号,了解更多与葡萄酒和他的精选系列相关的信息。

2 风土(Terroir):一个葡萄酒界的法语专用词,译为"风土",指影响葡萄酒风味特征的所有因素,包括葡萄园的地理位置、土壤结构、坡度、向阳角度、朝向及冷暖气候等。可以说,每一瓶葡萄酒都有自己独特的"Terroir"。

3 费迪南·德·索绪尔:瑞士语言学家、符号学家、哲学家。他最有影响力的著作是《普通语言学课程》。在符号学中,所指和能指(法语:signifié和 signifiant)代表符号的两个主要组成部分,其中"所指"属于"内容层面",而"能指"属于"表达层面"。

采访与文字编辑 --- Celina Wang





Harvard J.D., Litigation Attorney at a Magic Circle Law Firm



April (Xiaoyi) Xu BOIS OF 2014

April is now a litigation attorney at Allen & Overy¹. Before starting her legal career by clerking for a federal judge, she attended Pomona College majoring in politics and minoring in Spanish, and earned her J.D. from Harvard in May 2021.

April's BCIS peers recognized her love of literature, especially for British authors including Jane Austin and Shakespeare. Outside of school, April enjoyed being a freelance writer. Her publications include 100+ articles in 3 languages. As a student, she served as Editor-in-Chief of the Claremont Journal of Law and Public Policy and President of the Harvard Asia Law Society.

April's passion for law was ignited in eleventh grade after she attended a summer program at Yale University, which inspired her interest and motivated her to pursue the social sciences. Though some may claim that law is cold and rational, April believes in the human-centric nature of law. She describes her experience in criminal law as both "fascinating" and "haunting." While working for federal judges, she read letters from family members, saw a woman kneeling and praying for the defendant at sentencing, and heard defendants' speeches to the judge painting fuller pictures about the person beyond the crime.

Recently, in June 2023, April shared her experience and advice online with BCIS high school students. Among her various activities during high school, April fondly recalled founding the BCIS Roots & Shoots² EA. Looking ahead, she aspires to continue her environmental conservation work through her pro bono work at A&O and beyond. 1 Allen & Overy, established on January 1, 1930, in London's financial district, was the brainchild of George Allen and Thomas Overy, with the primary aim of establishing a commercial practice. The firm gained renown when George Allen advised King Edward VIII during the abdication crisis in 1936. Today, A&O holds a position among the esteemed group known as the "Magic Circle," a term also associated with London's most prestigious barristers' chambers. Today, A&O has 44 offices in 31 countries.

2 Roots & Shoots: "Roots & Shoots groups take positive action through local and international projects that benefit the environment and improve the lives of people and animals. They learn about issues affecting our world, become better global citizens and share insights and ideas for making positive change happen."

Interview conducted and profile written by Jessica Zhang.





April 目前在纽约工作生活,是安理国际律师事务所 (Allen & Overy)¹的一名诉讼律师。从 BCIS 毕业后她前往美国顶级文理学院克莱蒙特 5C 联盟之一的波莫纳学院 (Pomona College) 攻读政治与西班牙语专业,随后入读了美国历史最悠久的法学院之一——哈佛法学院,并在 2021年5月顺利获得法学博士 (J.D.)学位。

学生时代, April 一直热忱于阅读与写 作, 尤其钟情于英国经典文学, 例如简·奥 斯汀的小说和莎士比亚的文学作品。因此, 在校园外 April 有着另外一个身份 — 自 由撰稿人。从高中起, 她便用中, 英, 西 三种语言在国内外知名报刊上共发表超过 100 篇文章。在校期间, 出于对写作与编 辑的热情, 她还曾担任过《克莱蒙特法律 与公共政策期刊》主编和哈佛亚洲法律协 会主席。

十一年级时、校长鼓励她报名参加耶 鲁大学的夏校, April 在那里接触并学习 了有关美国政治, 经济与法律相关的课程, 并欣喜地发现自己也许找到了未来的学习 方向。在美国的法律学习与实践包含了许 多方面, 令 April 印象最为深刻的部分是 令人寝食难安的刑法。或许很多人会认为 法律是冰冷或不近人情的规章条文,但在 她眼中, 法律却是"以人为本"的。在联 邦法庭实习期间,她听着被告对法官的陈 述,读着被告家属的来信,看到被告的太 太在法官宣判时双膝跪地虔诚祈祷。目睹 这一切让她更加感受到人性的复杂, 被告 不仅仅是案件中的施暴者,还有其作为一 个完整的"人"在案件之外的一切。 2023 年 6 月, April 在 BCIS 线上

校友论坛与几名对法学专业感兴趣的高 中生交流了法律求学经历以及建议。她 回忆道,在参与过的众多 BCIS 社区活动 中,印象最为深刻的就是当时在 BCIS 有 幸采访珍·古道尔并创办根与芽 (Roots & Shoots)²学生社团。她目前也在 A&O 从 事有关环境保护的公益法律项目。

1 安理国际律师事务所 (Allen & Overy): 是一家跨国律师事务所,由乔治·艾伦 (George Allen)和托马斯·奥弗里 (Thomas Overy)在1930年设立于伦敦。是魔术圈五家律师 事务所之一。在1936年底爱德华八世为了娶辛普森夫人而退 位时,艾伦向国王提供了大量法律支持,A&O 也在此次事件中 再一次获得大众的广泛关注。如今,A&O 是世界第七大综合性 律师事务所,在全球超过40个办公室。英国魔术圈 (Magic Circle)顶尖律师事务所是众多法律人的梦寐之地,也是全球 律师的标杆。

2 1991年,珍·古道尔博士和一群坦桑尼亚青年创办了根 与芽,这是目前世界上最具影响的面向青少年的环境教育项目 之一。"根与芽小组通过联合当地或国际组织开展环境保护、动物保护以及社区服务项目。根与芽鼓励青年人关心环境、保护 动物、服务社区,赋能他们为所在的社区或学校带去积极的转 变,成为更好的世界公民。

采访与文字编辑 --- Jessica Zhang





Emily's journey through academia and the world of investments is a story of unexpected twists, personal growth, and a dedication to making strategic choices. After obtaining her bachelor's degree in math and economics at UCLA¹, she continued her journey at MIT² studying finance. Living in Hong Kong and working as an investment manager at Tencent, Emily specializes in identifying investment opportunities within the software sector.

For Emily, the software sector isn't just about numbers and trends.

She is passionate about innovation and its impact on traditional industries. She cites an example of an Israeli startup that's revolutionizing public transportation scheduling through software solutions, enhancing efficiency to conserve resources and reduce carbon emissions. Currently a Senior Associate, Emily's role involves dissecting investment prospects for growth-oriented companies across Asia, Europe, USA, and Africa. Her knack for recognizing promising ventures has earned her a reputation as a skilled navigator in the investment landscape. Her days are spent analyzing potential opportunities and presenting her findings to the executive team, contributing to the decision-making process that shapes the company's portfolio.

Emily's journey has never followed a predetermined path, personally or professionally. She was initially drawn to data science rather than finance, but received an offer from MIT to major in finance, which led her into the investment realm. Emily appreciated the flexible arrangement that BCIS provided for her, as she was a golf player and sometimes had to miss classes to attend tournaments. However, golf was not her first choice either, but tennis classes were fully subscribed at summer sports camp. so she was reassigned to golf class instead. Reflecting on all the choices she has made, Emily recognizes that being open to opportunities has helped her achieve success. To stand out in such a competitive landscape, one should be willing to try new things and maintain focus, striving to persevere and excel in their pursuits. By doing so, the unique essence of an individual will naturally shine through.

Her time at BCIS also influenced her approach to partnerships, especially influenced by the diverse culture. Inspired by the collaborative spirit of platforms like WeChat³, Emily believes that partnerships should be built on shared values and nurtured over time. This philosophy shapes her professional interactions, ensuring collaborations are meaningful and mutually beneficial.

Emily's journey is a reminder that life is often unpredictable. Her story is one of adaptation, growth, persistence, and the willingness to embrace unexpected opportunities. With a blend of analytical skills and a proactive mindset, she has successfully carved her path in the investment world, demonstrating that sometimes the most rewarding ventures are the ones we never saw coming.

1 UCLA: University of California, Los Angeles, QS World University Rankings #29.

2 MIT: Massachusetts Institute of Technology, QS World University Rankings #1, ranking at the top for the 12th year in a row, the Institute also places first in 11 subject areas.

3 WeChat: is a free application launched by Tencent on January 21, 2011 to provide instant messaging services for smart terminals. It is more than a messaging and social media app – it is a lifestyle for over one billion users across the world. Countless third-party services all within the WeChat app that don't require additional installation, saving user's precious phone storage and time.

Interview conducted and profile written by Anna Ren. Emily 的求学和职业生涯是一个充满意外 惊喜与转折的个人成长之旅,在获得加州 大学洛杉矶分校¹的数学和经济学学士学 位后,她前往麻省理工学院²,继续攻读 金融专业硕士。如今,她生活工作在香港, 作为腾讯投资部门一名高级经理,她致力 于寻找极富潜力的软件行业投资机会。

对于 Emily 来说,软件行业不仅仅是 数字,科技和前沿趋势,更能创新赋能并 重塑传统行业。Emily 分享了一个印象深 刻的投资案例,这是一家以色列科技创业 公司,许多国家的城市公共交通存在运力 浪费,调度系统老旧的问题,因此他们通 过开发软件,为城市公共交通调度提供智 慧化解决方案,优化运力并有效减少碳排 放。她所在的投资团队在亚洲、欧洲、美 国、非洲等国家发掘投资机会,而 Emily 以她卓越的洞察力和独到的投资眼光,在 职业道路上逐渐崭露头脚。她通过深度分 析潜在机会报告上级部门,为公司的战略 投资决策提供关键支持。

她的人生经历看起来是一个完美的投 资从业者履历,然而金融专业和她爱好的 高尔夫一样,曾经都不是她的首选。"现在 的生活与其说是清晰长远的人生规划、明 确目标和刻意准备","不如说是偶然意外、 坦然接受和全情投入的结果。"Emily说 道。大学时她本来更倾向于数据科学,也 收到了很多数据科学研究生录取通知,权 衡之下她还是决定接受麻省理工学院金融 专业抛来的橄榄枝,毕业后便步入了投资 管理行业。小时候的 Emily 也在机缘巧合 之下,成了一名高尔夫选手。其实再之前 她一直参加的是网球训练,但由于运动夏 令营的网球课程已经满员,从没接触过高 尔夫的她决定大胆一试,并一直坚持到了 高中毕业。回首过去,Emily 意识到,也 许对于机遇保持开放的心态是助她取得成 功的关键。如果说有一点意见给年轻后辈 的话,那就是在竞争越发激烈的当代想要 脱颖而出,需要去尝试新事物,保持专注 并坚持久一点,如此,每个人都会绽放出 属于自己独特的光芒。

在 BCIS 的学习时光里,多元文化的 社区环境教会了她很多,尤其是对于协作 关系的看法。因为协作不仅体现在生活各 处,更体现在商业世界,例如微信³上免 费搭载的第三方的小程序最终构造了繁荣 的微信生态。如果合作关系建立在共享的 价值观基础上,既有意义又可以互利共赢, 那么随着时间的推移不断加强,最终会互 相成就。

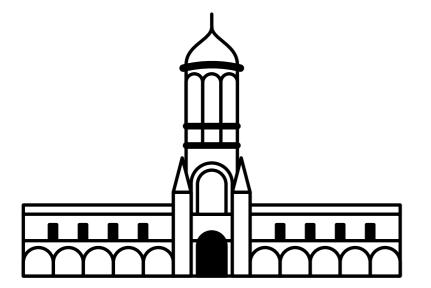
生活中充满了不可预测性, Emily 的 故事是一段适应、成长、坚持和愿意拥抱 意外机会的精彩篇章。凭借出色的分析技 能和积极进取的心态,她成功开辟了自己 的职业道路,也证明了有时最有价值的冒 险存在于我们的设想之外。

加州大学洛杉矶分校: UCLA, QS 世界排名第 29。
 麻省理工学院: QS 世界大学排名中排名第 1, 连续 12
 年位居榜首,该学院还在 11 个学科领域排名第一。

3 微信:是腾讯公司于 2011年1月21日推出的一款为智能终端提供即时通讯服务的免费应用程序。它不仅仅是一款消息传递和社交媒体应用程序,更是全球超过10亿用户的生活方式。无数第三方服务都在微信应用内,无需额外安装,节省了用户的手机存储空间和时间。

采访与文字编辑 --- Anna Ren

Researcher at CERN¹, Particle Physics PhD candidate in Oxford



Logical (Siyuan) Yan BCI CLASS OF 2015

Logical is currently completing her PhD degree at the University of Oxford, expecting to graduate by November 2023. Currently, she works as a research associate at the Glasgow ATLAS group.

During her 4 years at Oxford, Logical indulged in researching some of the most frontier topics in particle physics. Her favorite research focus is the Higgs Boson². Specifically, she is a member of the group working on the measurement of the Higgs Boson's mass through the ATLAS experiments³. With her experience of using CERN's LHC facilities, she is also collaborating with fellow researchers to improve CERN's laboratories' detectors and software.

Logical found her own passion in physics back in her childhood, when she was fascinated by books and television programs on physics. That's when her curiosity in physics emerged as she became fascinated by the subject. Later in her hometown's middle school, where she took physics courses, she faced new puzzles and



Researcher at CERN¹, Particle Physics PhD candidate in Oxford

more challenges. However, instead of trying to avoid them, she was intrigued by the perplexity and elegance of physics, as she was eager to gain a deeper level of understanding of our world. After graduating with an IB diploma from BCIS, she acquired a bachelor's degree in experimental physics at University College London and later a master's degree in physics at Imperial College London. Despite facing numerous challenges, her fascination for physics, and her curiosity about our world has never diminished, motivating her to gradually work her way up to CERN.

Logical believes that her years at BCIS were very helpful to her life's trajectory. Her ability to work with others around the world, with different backgrounds and occupations, is also attributed to BCIS's emphasis on collaboration. But more importantly, unlike the education she received earlier in public school, BCIS encourages more open questions and discussions and less homework and memorization. This feature of BCIS gave Logical less stress on academic achievement, allowing her to dive deeper into physics independently, better preparing her for academia in college and beyond.

Logical is expected to work as a post-doctorate researcher at the University of Glasgow, where she will continue to investigate the Higgs Boson's properties, analyze ATLAS's data, and contribute to improving the detectors in ATLAS. She is still eager for more challenges in the exploration of physics. 1 CERN (French: Conseil Européen pour la Recherche Nucléair; English: European Organization for Nuclear Research): The largest particle physics organization in the world, funded by a collaboration of European countries but supported by researchers around the world. It is home to the LHC (Large Hadron Collider), as well as the birthplace of the World Wide Web. Currently, one of CERN's tasks is trying to produce and detect the Higgs Boson with high-energy collisions between particles.

2 Higgs Boson: An elementary particle produced from the excitation of the Higgs Field, which plays an important role in giving mass to matter. The Higgs Boson had been proven to exist by CERN's experiments only in 2012, and our current understanding on the particle is rather poor. Therefore, it's importance and obscurity has made it one of the main focuses of frontier physics research.

3 ATLAS: A large-scale particle detector experiment in CERN's Large Hadron Collider, designed to observe the behavior of high-energy particles accelerated and collided in the LHC. Through the ATLAS particle detector, the Higgs Boson was first observed in 2012. Researchers of the ATLAS experiment hope to verify the standard model, our existing understanding of particle physics, through observing particle behavior.

Interview conducted and profile written by Luo Zhou.



Logical 目前就读于牛津大学,预计在 2023 年十月获取博士学位。她现在已在 格拉斯哥 ATLAS 团队展开博士后的研究 工作。

在牛津的这四年,Logical的研究工 作涉及了许多高能粒子物理学最前沿的主 题,她最喜欢的研究对象是希格斯玻色子。 目前她的研究小组正在通过ATLAS²的实 验测量希格斯玻色子³的质量。于此同时, 由于 Logical 对欧洲核研究组织(CERN) 的大型强子对撞机富有经验,她也在与同 事合作改造 CERN 的观测仪器和软件系 统。

Logical 从小就对物理十分感兴趣。 当时,她在看关于物理的科普书籍和电视 节目时,感受到了物理世界的美,并产生 了强烈的好奇心。Logical 在中学选了物 理课,遇见了更复杂的难题,并发现了学 习物理的必经之路中的困难。但 Logical 不仅没有逃避这些困难,反而她乐于解决 困难,欣赏物理学复杂之美,渐渐地她开 始从更高深的层次认识宇宙。从 BCIS 毕 业后,她前往伦敦大学学院学习实验物理, 之后又在帝国理工学院拿到了物理硕士学 位。即使面对种种困难,她对物理的热爱 从未消散,她仍旧热衷于了解我们的宇宙。 在好奇心和热情的推动下,她最终来到了 CERN 从事粒子物理研究。

Logical 认为 BCIS 为她的人生留下 了非常积极的影响。BCIS 对团队协作能 力的培养使她能与世界各地各行各业的人 合作。更重要的是,不同于她之前所在的 公立学校,BCIS 鼓励学生们问问题,进 行小组讨论。而且,BCIS 的学生们作业 更少,也不必拘泥于死记硬背。BCIS的 教学环境没有为 Logical 带来巨大的学习 压力,反而为她保留了大量时间来钻研她 所热爱的物理学,为她准备好未来在大学 和研究机构所需要的知识和研究技能。

Logical 将在格拉斯哥大学从事博士 后研究员的工作,继续研究希格斯玻色子 的特性、分析 ATLAS 的数据、并为 ATLAS 的系统升级做贡献。她将继续解开一个个 她热衷的谜团,自由地探索物理。

1 欧洲核研究组织: CERN, (法语: Conseil Européen pour la Recherche Nucléair), 世界上最大的高能粒子物理学 研究机构;虽然 CERN 主要由欧洲国家赞助, CERN 汇集了 世界各地的顶级科学家,有着世界上最大的粒子加速器,LHC (Large Hadron Collider;大型强子对撞机)。CERN 也是万维 网的诞生地。目前 CERN 试图造出希格斯玻色子,以对其性质 进行研究。

2 ATLAS:是目前在 CERN 的大型重子对撞机正在进行的实验,其目为观测 LHC 中被加速碰撞的粒子。2012 年, ATLAS 发现了希格斯玻色子。物理学界希望运用 ATLAS 实验的结果来验证粒子物理的标准模型,也就是当前大部分粒子物理学家接受的一套理论。

3 希格斯玻色子:激发希格斯场时获取的玻色子;在物质获取质量的过程中起到重要的作用。希格斯玻色子的存在于2012 年才在 CERN 被实验证明,我们对希格斯玻色子了解甚少。由于希格斯玻色子对物理学及其重要,而物理学界又对其缺乏了解,于是希格斯玻色子成为了物理学界最前沿、最重要的研究对象之一。

采访与文字编辑 --- Luo Zhou



A chemical biologist studying enzymes

in MIT¹ lab

As a chemical biologist, Naike's current research at Professor Catherine L. Drennan's lab² primarily focuses on enzymes in bacteria that live on an aquatic plant called hydrilla. A deeper understanding of how these protein-based catalysts produce toxicants at the molecular level will provide scientists with the tools to engineer enzymes that target exigent environmental crises. After graduating from Vassar College in 2020, Naike is now a Ph.D. candidate in MIT's Chemistry program.

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Communication and cooperation between scientists are essential to scientific inquiry and development. Naike said that rather than scratching his head alone when an experiment fails or the results are unsatisfactory, it is more helpful to have coffee chats with his lab mates to ignite more inspiration. At MIT, scientists from different laboratories across the United States and worldwide work together to "catalyze" the research process when working on the same topic. Naike observed that, to a certain



extent, COVID-19 hindered scientific research in the past few years, as "using ZOOM can never replace faceto-face communication between scientists.".

Scientific research needs to break through barriers in different disciplines constantly, and crossdepartmental collaboration is essential for this process. Naike is now working in the biochemistry lab, and as a chemistry major, biology is obviously not his specialty, but his lab peers will contribute unique perspectives to the research from different fields. This interdisciplinary collaboration is reminiscent of Naike's IB DP Group 4 Project³. "The Design Technology students were working on designing portable filters for a wide range of environmental conditions, and the **Biology and Chemistry students were** discussing how to remove bacteria, pollutants, and heavy metals from water," recalls Naike.

Naike proudly shared with us an anecdote about an academic paper, co-written with his BCIS friends and fellow alumni, Zekai and Yuchen, and published in the renowned science journal, Drug Discovery Today (2021)⁴. The collaboration started as the three of them decided to take advantage of their summer before commencing graduate school to work on this project together. "This is the first time to write a scientific review for all three of us," and the collaboration process went quite smoothly, with each person bringing their expertise as a chemist, physicist, and engineer to the piece⁵. The young generation that grew up

watching The Big Bang Theory has now grown into a new generation of young scholars who have co-authored papers to celebrate the longevity of friendship.

1 MIT: Massachusetts Institute of Technology, Ranked #1 in the 2024 QS World University.

2 Drennan lab: The primary targets of research in the Drennan lab are enzymes that contain metals or metallocofactors. These metalloenzymes use the enhanced reactivity of transition metals to catalyze challenging chemical reactions including radical-based chemistry and manipulation of organometallic bonds. The lab is also interested in metalloproteins that sense changes in the cellular environment and act as gene regulators.

3 Group 4 Project: It is a collaborative project among all the Group 4 IB DP science courses, including Biology, Physics, Chemistry, and Design Technology. Together, students from these classes will handle projects/research on certain real-life contemporary global issues. Naike's group project was building a water filter for people living in the desert.

4 Drug Discovery Today is a scientific journal issued on a monthly basis by Elsevier. Commenced in 1996, it undergoes peer review and presents evaluations covering various stages of preclinical drug discovery. These stages encompass activities ranging from target identification and validation through hit identification, lead identification and optimisation, to candidate selection.

5 Ye, Naike, et al. "Applications of density functional theory in COVID-19 drug modeling." Drug Discovery Today, vol. 27, no. 5, Dec. 2021, pp. 1411-1419. This paper is based on Naike's undergraduate senior thesis on molecular modeling, focusing on the SARS-CoV-2 Virus receptor and drug interaction. Naike as the paper's first author collaborated with fellow BCIS alumni and friends Zekai Yang who got his M.S. degree in physics at Imperial College London and is about to begin his P.hD. study in the University of Edinburgh, and Yuchen Liu who is studying Mechanical Engineering at the University of Michigan.

Interview conducted and profile written by Jessica Zhang.

作为一名化学生物学家,Naike目前在 MIT 实验室中的主要研究对象是酶。作 为蛋白质催化剂,酶是生物体内必不可少 的物质。在 Catherine L. Drennan 实验 室²Naike 最近正忙着进行关于黑藻细菌 中的酶的科学研究,通过酶加速反应的特 性助力科学家设计针对紧急环境污染的 有效工具。2020 年从瓦萨学院 (Vassar College) 毕业后,Naike 顺利进入 MIT 继 续攻读化学专业博士,转眼已三年有余。

"人与人间的沟通非常重要""Naike 说,"比起自己在实验失败或者结果不理想 的时候一个人挠头,不如跟隔壁实验室的 同学聊聊获得的启发多"。科学家之间的 交流合作是科学探究与中必不可少的,在 MIT,来自全美和全世界不同实验室的科 学家们在同一课题上合作来"催化"科学 研究。而疫情在某种程度上使过去几年的 科学研究受到了许多阻碍,"使用 ZOOM 永远无法取代科学家之间面对面的交流"。

科学研究需要不断突破不同学科中的 壁垒, 跨部门的合作也是必不可少的, 现在 Naike 在生物化学实验室里工作, 作为化 学专业学生, 生物显然不是他的专长, 但 实验室同行们会从不同的领域为研究贡献 独特的看法。这和 DP 阶段所做的 Group 4 Project³ 很相似,不同学科的学生会从 不同的学科背景出发,综合观点提供更完 整的解决方案。"技术与科技的学生在研究 设计适用多种环境条件下的便携滤网, 生 物和化学的学生则在讨论如何去除水中的 细菌、污染物和重金属," Naike 回忆说。 说到这里时, Naike 欣喜地跟我们分

享了一件趣事,2021年他同两个 BCIS

的挚友 Zekai 和 Yuchen 合著了一篇论 文,并在一个行业内有相当影响力的美国 科学期刊 Drug Discovery Today⁴上成 功发表。合作起源于一个灵光乍现的想法, 三人一拍即合,决定利用在研究生入学之 前的悠闲时光一起做点什么。历经两个月 的大量讨论与研究,9月完成了这篇关于 COVID-19 药物建模的科学评论文章,经 过审查与修订于12 月顺利发表。"这是我 们三个人第一次合作发表科学评论",过程 竟意外地顺利,每个人都将自己作为化学 家、物理学家和工程师的专业知识写到了 这篇论文中⁵。看着《生活大爆炸》长大 的一代,如今也成长为合著论文庆祝友谊 长存的新一代年轻学者们。

1 MIT:麻省理工学院,是美国顶尖私立大学之一,在 2024 年 QS 世界大学排名位列全球第一。

2 Drennan lab:该实验室的主要研究目标是含有金属或 金属辅因子的酶。这些金属酶利用过渡金属的增强化学反应来 进行催化,包括有机自由基化学和操纵有机金属键这些有挑战 性的化学反应。该实验室也致力于研究对感知细胞环境变化并 充当基因调节剂的金属蛋白。

3 Group 4 Project: 这是 DP 阶段,选修科学课程学生 (包括生物学、物理、化学以及设计与技术)之间的跨学科合作 项目,学生们被要求为当代全球议题下的现实生活问题提出解 决方案。耐克当时的小组项目是为生活在沙漠中的人们建造一 个滤水器。

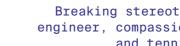
4 Drug Discovery Today: Elsevier 出版社旗下的科学月 刊。成立于 1996 年,此期刊主要致力于发表临床应用前的药 物开发及研究的相关文献。其不仅关注药物研发相关技术的快 速科学发展,还关注药物在管理、商业和监管当中的问题。

5 Ye, Naike, et al. "Applications of density functional theory in COVID-19 drug modeling." Drug Discovery Today, vol. 27, no. 5, Dec. 2021, pp. 1411-1419. 在 Naike 关 于分子建模的本科毕业论文的基础上,本篇科学评论重点关注 SARS-CoV-2 病毒的受体和药物相互作用。Naike 作为第一作 者与其他两位 BCIS 校友合著,Zekai 目前在帝国理工学院攻 读物理学硕士并即将进入爱丁堡大学攻读博士,而Yuchen 目 前在密歇根大学攻读机械工程硕士。

采访与文字编辑 --- Jessica Zhang



Breaking stereotypes — a playful engineer, compassionate animal lover, and tennis player



Breaking stereotypes — a playful engineer, compassionate animal lover, and tennis player

One of her research was to study how pandas climb, aiming to aid wildlife conservation and shed light to designing biomimicry robots. Through extensive observations of panda climbing (and falling), she conducted video analyses of panda's movements. speed, and biomechanics.

Rose defiantly breaks the stereotype of a nerdy Asian engineering student. She is smart. agile, and always wears a warm smile on her face. As a tennis enthusiast, her MYP Personal Project involved hosting a school tennis tournament. In addition, she started a tennis club at Georgia Tech that welcomes individuals of all skill levels. Surprisingly, one of Rose's favorite jobs is to become a ball person at tennis tournaments. Engaging in daily physical exercise is also Rose's strategy for achieving a healthy balance between her academic studies and career as an engineer.

Having worked on database and administrator site, Rose, along with three other BCIS alumni, developed and launched the BCIS Alumni Portal⁴ in summer 2023. As one of the BCIS Alumni development projects, this portal is going to be a central platform to strengthen our BCIS Alumni Network.

Dartmouth College: One of the world's greatest academic institutions and a member of the lvy League, Dartmouth has been educating leaders since 1769.

2 Gigafactory Texas, also known as Giga Texas, is an automotive manufacturing facility in Austin, Texas, built by Tesla. Inc. Construction began in July 2020. The factory produces Model Y cars for the Eastern United States and is also planned to be the main factory for the Cybertruck and the company's next-generation vehicle. Additionally, it serves as the location for Tesla's corporate headquarters. It is the second-largest factory in the country in terms of size and the second-largest building in the world by volume, following the Boeing Everett Factory. Georgia Tech: Georgia Institute of Technology, is 3

ranked No.2 in Best Undergraduate Mechanical Engineering Schools by US.News 2022-23.

4 BCIS Alumni Portal: a website platform could check alumni profile, alumni news and alumni events. for BCIS community members who are seeking network opportunity to connect and learn from each other. This portal designed and built by 4 young BCIS alumni, operated by BCIS Alumni Relations Team. https://alumni.bcis.cn/credits

> Interview conducted and profile written by Jessica Zhang.



Rose (Wenxin) Zhao OF 2016

A graduate student studying computer science at Dartmouth College¹. This fall, Rose will begin her new intern job at Tesla in manufacturing IT, where they aim to advance the Gigafactory Texas² to an industry 4.0 smart factory, implementing technologies that no one has done before.

Rose completed her bachelor's degree in Mechanical Engineering at Georgia Tech³ in 2020. She relishes the process of applying her STEM knowledge to real-world problems. which is what led her to become an

engineer. During her undergraduate vears. Rose was heavily involved in her university's Maker Space, working on robotics and 3D printing. Through her experiences, Rose discovered that she possesses better analytical skills than manual skills, which shifted her career pathway from mechanical to software engineering.

As an animal lover, Rose worked as a research assistant at Georgia Tech for a professor who specializes in animal biomechanics and has won the IgNobel Prize multiple times.

Rose 现在是达特茅斯学院¹计算机科 学专业一名研二的学生。今年秋天她 将开始在特斯拉(Tesla)的实习工作, 帮助位于得克萨斯的特斯拉超级工厂 (Gigafactory Texas²)发展成智慧工厂, 应用制造业史无前例的科技助力第四次工 业革命 (Industry 4.0)。

2020 年, Rose 在佐治亚理工学院 (Georgia Tech³)完成了机械工程学士学 位。利用科学知识去解决实际问题的过程 十分吸引 Rose,而这也启发她成为一名 工程师的主要原因。本科期间,她是大学 里创客空间的常客,在那研究琢磨机器人 项目与 3D 打印技术。慢慢地,Rose 逐 渐发现自己的逻辑推理与分析能力其实比 动手能力更强,她的职业道路也就从机械 工程转向了软件工程。

作为一名动物爱好者, Rose 在 2019 年得到了佐治亚理工一位多次赢得搞笑诺 贝尔奖的动物力学教授的研究助理的工作。 在那里她研究大熊猫的攀爬行为,为野生 动物保护做贡献,并为设计仿生机器人提 供思路。在这项研究中,工程师与学者们 通过对大熊猫的动作、速度和生物力学进 行了大量观察和视频分析。

提到工程专业的学生或许很容易使人 联想到端坐在电脑前安静地学习研究的画 面。但 Rose 其实热爱运动身姿矫健,性 格热情开朗又古灵精怪。在 BCIS 时,她的 个人学习项目(MYP personal project) 是组织举办一场校际网球锦标赛。大学时, 在佐治亚理工学院她创办了一个开放给所 有水平网球爱好者的俱乐部。Rose 说她 小时候的理想工作是在网球比赛中担任职 业球童。如今网球和其他体育锻炼仍然是 她生活中的保持身心健康与平衡的重要组 成部分。

在 2023 年夏天 BCIS 校友关系发展 团队正式上线了 BCIS 校友门户网站,这 是由 Rose 和其他三名年轻校友共同设计 开发的网站⁴,她主要负责网站后端数据 库和网站管理员页面开发,这个网站会在 未来成为促进 BCIS 校友之间与 BCIS 社 区联络的信息集成平台。

1 达特茅斯学院:世界上最著名的学术机构之一,常春藤 联盟成员,自 1769 年以来一直致力于培养领导者。

2 得克萨斯的特斯拉超级电池工厂:位于德克萨斯州奥斯 汀的汽车制造工厂,特斯拉公司总部的所在地,由特斯拉公司 于2020年7月开始建造。该工厂为美国东部生产 Model Y 汽 车,也将作为生产 Cybertruck 和下一代其他车型的主要工厂。 它是美国第二大工厂,按体积计算是世界第二大建筑,仅次于 波音埃弗雷特工厂。

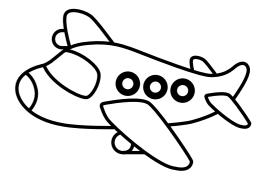
3 佐治亚理工学院:佐治亚理工学院在 US.News 2022-23 年度最佳机械工程学院中排名第 2。

4 校友门户网站:这个网站作为 BCIS 社区成员和校友互 相联络的平台,可以查看校友简介、校友新闻动态和校友活动 预告。该门户网站由 4 名年轻的 BCIS 校友设计完成,由 BCIS 校友关系团队运营。https://alumni.bcis.cn/credits

采访与文字编辑 --- Jessica Zhang

3.1 To revolutionize the way we power the skies — And Battery Aero





Thilo Braun BCIG CLASS OF 2012

This year, Thilo completed his MBA and MS degree in Environment and Resources at Stanford University¹ and has been awarded the "Stanford Impact Founder Fellowship" for ecopreneurship. Thilo is co-founder of "And Battery Aero²", which aims to address the environmental costs of the transportation industry by developing novel battery systems to decarbonize heavy transportation, starting with aviation.

"When I told my mom that I decided not to be a pilot after having

a conversation with a real captain, she's actually relieved" Thilo told us, when he was considering his career and major in university. He had always wanted to become a pilot, that's a such cool job for a teenager, but after talking to a captain once, he changed his mind because he doesn't want to spend his whole life in a small aircraft cockpit, so he decided to study Aeronautical Engineering instead.

The dream of pursuing the sky has always been there, appearing in different forms. From the boy who always wanted to become a pilot and shared his student aircraft project at BCIS, graduating from Imperial College London with a MEng in Aeronautical Engineering, working with innovative start-up Lilium Aviation, gaining his private pilot's license and proposing to his fiancée while flying, until recently graduating from Stanford University and co-founding his own business, And Battery Aero.

"I'd love to see new forms of aviation emerging that are only possible because of the work that we've done," Thilo says, "Flying cars and air taxis - these become a possibility when the batteries are there. But if you took the same batteries in an electric vehicle, they would be too heavy to have enough energy and power for an aircraft." Thilo and his co-founders are working to design and produce battery systems for aviation that will be up to 50% lighter than anything currently in development. Thilo hopes, they can produce viable aviation battery systems with high energy, high power, durability, and safety. "Electric has a truly transformative nature," he explains. "It's way cheaper to operate, it enables new aircraft designs, and it eliminates all the emissions we have from flving."

Thilo's passion for aviation motivated and influenced him in all his important life choices. By sharing his entrepreneur story with young BCIS students as a keynote speaker for Avenir³ 2022 he continued to inspire students who are interested in entrepreneurship. Thilo admits that it is hard for him to believe how much he has achieved in the past few years, and he is confident that as long as he continues to follow his passion, life's experiences and opportunities will always be exciting.

1 Stanford University: Ranked #5 in QS World University Rankings 2024. Stanford Impact Founder Fellowship provides \$110,000 in funding, year-long personalized coaching, and an invitation to access Stanford Venture Studio resources during the fellowship year.

2 And Battery Aero: Battery technology has what is known in the industry as the "and" problem: that batteries for transportation need to be light and durable and low-cost and safe. Improve performance for one or two of these characteristics and it can lead to trade-offs in others. "The devil is in the detail," says Thilo. "You increase the energy, and the power goes down, you increase the power and the safety goes down or the charging speed goes down." (Hence the name of Braun's company, And Battery Aero)

3 Avenir: a BCIS student-led annual business competition with a different theme each year since 2018, which offers students opportunity to compose their business plan and work closely with experienced mentors, Avenir 2022's theme was "Pioneer".

Interview conducted and profile written by Jessica Zhang.





今年 Thilo 不仅从斯坦福大学¹顺利毕业, 拿到了他工商管理硕士和环境硕士的学位, 而且还获得了斯坦福大学影响力创始人奖 学金。下一步他将作为创始人之一,全情 投入到 And Battery Aero² 的工作中去 ——这是一家将通过开发新型电池系统 来实现重型运输脱碳,从而解决运输行业 的环境成本问题的创新企业,其业务将从 航空运输开始。

"当我告诉妈妈,我决定不当职业飞行 员的时候,她长舒一口气如释重负。"Thilo 一直想成为一名飞行员,对于青少年来说 这的确是一份非常有吸引力的职业。然而 在一次飞行结束之后,他鼓起勇气走进驾 驶室同机长聊天,那之后他便改变了主意。 驾驶飞机不意味着他一定要成为一个职业 飞行员,终日坐在狭小的机舱里并不是他 想要的。于是在高中毕业时他选择了去伦 敦帝国理工学院,转而学习航空工程专业。

从一个梦想成为飞行员的中学生,在 BCIS 跟同学和老师们展示着他关于飞行 器的学习项目,到拿到荣誉学位的航空工 程专业本科毕业生,再到加入研发出电 动垂直起飞降落飞行器的先锋创新企业 (Lilium Aviation),随后拿到私人飞机驾 驶执照后在空中上演求婚大作战,直到今 天他研究生毕业,即将成立自己的初创公 司——And Battery Aero。对于 Thilo 来 说追寻无垠天空的梦想从未改变。

"我非常希望看到未来出现更多新型 飞行器,但电池是前提,而这就是我们正 在做的事情。"Thilo 说,"电池可以使空中 飞行汽车和空中出租车变为现实。目前交 通工具中使用的电池太重,而且没法为飞 行提供足够的续航能力与动力。" Thilo 和 他的联合创始人正在研究一款比当前所有 正在开发的产品重量都轻 50%,高性能, 安全,耐用,可行的航空电池系统。"电 能——具有颠覆性的变革意义,因为它将 降低航空业的运营成本,而且能实现飞机 设计创新与飞行零排放" Thilo 坚定地说 道。

Thilo 在 2022 年 BCIS 的学生商赛 (Avenir³) 中作为嘉宾跟参赛学生们分享 了他的创业故事与心路历程。对于飞行器 的热情影响了他所有重要的决定,回头看 来,很难相信他一路过来克服了多少困难。 但 Thilo 也收获了许多成就,他充满信心 地认为只要一直追随他的热爱,未来的生 活与机遇将永远令人期待。

1 Stanford University:斯坦福大学,2024 年 QS 世界 大学排名第五。影响力创始人奖学金将提供了110,000 美元的 资金、为期一年的个性化辅导,以及在奖学金期间被邀请访问 斯坦福创意工作室的全部资源。

2 And Battery Aero: 在这个行业里电池技术开发离不开 一个"并且"的问题。用于运输工具的电池,不仅需要轻便并 且耐用,还要成本低并且安全。但提高其中任何一个指标的性 能都会导致其他指标性能下降。增加能量,功率会下降;而增 加功率,安全性或充电速度就会下降。(Thilo 因此命名他的公 司为 And Battery Aero)

3 Avenir: 2018 年由 4 名 BCIS 学生发起的年度学生商业 竞赛,每年都有不同的主题,参赛学生会制定商业计划并获得 与经验丰富的导师密切合作的机会, Avenir 2022 的主题是"先 锋" (Pioneer)。

采访与文字编辑 --- Jessica Zhang

Afterword

THANKS

Graphic Design PAGE OF Mao Youran (BCIS Class of 2017) Interview and editing Zhang Ziyuan Jessica (BCIS Class of 2023) Wang Celina (BCIS Class of 2023) Ren Anna (BCIS Class of 2023) Luo (BCIS Class of 2024) Kara (BCIS Class of 2025) Coordinated and produced by BCIS Alumni Relations Team

Founded in 2005, with our first graduating class in 2009, BCIS has over 3500 students who have studied here and sailed away, currently studying and living around the world. Thank you for the efforts of our alumni and student volunteers who interviewed and wrote these alumni profiles. We appreciate the time and permission of our amazing alumni who are featured in this issue, BCIS Alumni Wall is a collaborative project among young alumni, older alumni, and SS students. When Youran shared her idea of "BCIS Alumni Town" at our first design meeting with Youran, we were delighted. "All alumni are living in this town after their BCIS journey. Even if we are not close physically, we always feel close and connected. By following this map, you could find them, they are pursuing the career they like and following their passion, still being inspiring and encouraging people in their current community as our BCIS mission suggested." Once a BCISer, Always a BCISer!

- Gaia, BCIS Alumni Relations Officer

BCIS Alumni Network

BCIS Alumni Relations Team (Beijing) BCIS New York Alumni Association BCIS Alumni in Greater London BCIS Alumni in Australia (Melbourne) BCIS Alumni in Hong Kong

CONNECT WITH US!

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后言

感谢

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Mao Youran (BCIS Class of 2017)

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沟通协调

BCIS 校友关系团队

BCIS 2005 年建校, 2009 年开始有了第一届毕业 生,截止目前,有超过 4000 名学生曾在 BCIS 学 习,随后奔赴世界各国,开启人生旅程。感谢校友 和学生志愿者的努力,通过采访和撰写文章让我们 更加了解这 9 名校友的故事,也同样感谢本次校友 墙展示的 9 名校友,接受采访助力我们完成这次的 项目。校友墙是一个学生,年轻和年长校友的合作 项目。当我们第一次和悠然开设计提案会议时,我 们就很喜欢她的设计概念,一个校友小镇!"所有 的校友其实都住在这个校友小镇里,即使大家生活 在世界各处,但还是感觉紧密联系。跟随着眼前的 这个小镇地图,你会发现,他们正在追随着他们的 梦想,在他们所在的社区中,仍然是一个充满勇气 与灵感的人,正如 BCIS 使命中所说的那样。" 一日乐成人,终身乐成人!

—Gaia, 校友关系协调员



