I am currently pursuing a Double Degree in Business, specializing in Business Analytics, and Computer Science at Nanyang Technological University (NTU) in Singapore, expected to graduate in May 2026. My academic journey has been marked by a consistent record of excellence, with a CGPA of 4.98/5.00 in Business Analytics, securing me a place on the Dean's List for two consecutive academic years (AY2022-2023, AY2023-2024). Additionally, I am working toward a Bachelor of Engineering in Computer Science with a CGPA of 4.95/5.00 and achieved the Dean's List distinction for AY2022-2023. Prior to NTU, I completed my A-Levels at Nanyang Junior College in Singapore, where I received distinctions in H2 Translation, H2 Physics, H2 Mathematics, H2 Economics, and H3 Semiconductor Physics & Devices.

Currently, I am serving as an Undergraduate Quantitative Researcher at NTU, where I delve into the Heston stochastic volatility model for option pricing, using Monte Carlo simulations and numerical methods to examine the model's suitability for complex derivatives. I previously interned as a Data Analyst at Shopee's Regional Brand & Growth Marketing Department, where I built machine learning models for growth strategies and user segmentation. My work included contributions to Shopee's CRM optimization, enhancing strategy ef iciency by 15% across seven regions through data analytics, ETL pipelines, and HDFS/Spark query optimization. Additionally, I held a Data Engineer & Analyst internship at the Health Promotion Board, where I created data pipelines and dashboards for the Healthier SG Programme, facilitating nationwide engagement analysis.

I have actively participated in numerous projects and competitions. Recently, my team and I won the 2024 "Code to Give – Asia" hackathon organized by Morgan Stanley, where we developed a real-time food distribution platform for the Singapore Food Bank using technologies such as Next.js, the MEAN stack, and VROOM. At the 2024 Microsoft Imagine Cup, our team created "Signify," a web application for translating sign language into text through computer vision and NLP models deployed on Azure. Additionally, as a fn alist in the 2023 Port63 Challenge, I proposed an IoT and blockchain-based platform to promote transparency in sustainable fn ance, focusing on ESG standards in Agri-tech.

Beyond academics and work, I am an active member of NTU's Chinese Society, where I serve on the Finance Team. My responsibilities include reviewing fn ancial documentation and managing the archiving of project records. In 2019, I was recognized with an Honourable Mention in the Singapore Mathematical Olympiad and chaired a Senior Digital Fair that benef tted 600 senior citizens in collaboration with CDAC and SPF.

I possess a diverse skill set, with technical prof ciencies in Python, R, C++, JavaScript, TensorFlow, SQL, and cloud platforms such as Microsoft Azure. My analytical strengths

include applied machine learning, financial econometrics, and data engineering. My soft skills include project management, critical thinking, and teamwork. Outside of my professional and academic life, I enjoy running, playing Chinese chess, and badminton.