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 2026 May. 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 (i.e., AY20222023, AY2023-2024). My dual-degree pursuit allows me to develop a robust understanding of both the business and technical aspects of analytics, equipping me with a diverse set of skills and perspectives that I am eager to apply in my future career.

Additionally, I held a Data Engineer & Analyst internship at the Health Promotion Board last year from May to Aug, where I created data pipelines and dashboards for the Healthier SG Programme, facilitating nationwide engagement analysis. Currently, I am serving as an Undergraduate Quantitative Researcher at NTU from 2024 Sep onwards, 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. 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.

In the summer of 2024, I interned as a Data Analyst at Shopee's Regional Brand & Growth Marketing Department from May to July, where I focused on building machine learning models to support growth strategies and user segmentation. My work included contributing to Shopee's Customer Relationship Management (CRM) optimization efforts, improving the efficiency of marketing strategies across different regions. In this role, I was heavily involved in data analytics, ETL pipeline development, and query optimization using HDFS/Spark. This internship gave me invaluable exposure to the fast-paced, data-driven world of e-commerce and further sharpened my ability to work with large datasets in a professional environment. 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.

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. 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 financial 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 benefitted 600 senior citizens in collaboration with CDAC and SPF.

I possess a diverse skill set, with technical proficiencies 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 pursuing activities that help me maintain a balanced lifestyle. I am an avid runner, enjoy playing Chinese chess, and participate in badminton, which allows me to unwind and stay active. These personal interests not only help me maintain a healthy work-life balance but also contribute to my ability to think strategically and collaborate with others in team settings.

At the 2024 Microsoft Imagine Cup, my team and I developed "Signify," a web application designed to translate sign language into text using computer vision and NLP models deployed on Microsoft Azure. This project allowed me to combine my interests in technology and social impact, creating a product that has the potential to enhance communication for individuals with hearing impairments. Additionally, I was a finalist in the 2023 Port63 Challenge, where I proposed an IoT and blockchain-based platform aimed at promoting transparency in sustainable finance. The platform was designed to focus on Environmental, Social, and Governance (ESG) standards in the Agritech sector, offering a solution to improve the traceability of sustainable practices in agriculture.