Hong Ngoc Le

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Relevant experience

Business intelligence intern   11/2024 – Current
Doccen   Ho Chi Minh City, VN

I genuinely have no idea what im doing will update later 🤡

Quantitative research assistant   04/2024 – Current
ICLS Tech   Ho Chi Minh City, VN
- Performed comprehensive **data cleaning**, **preprocessing**, and **feature engineering** on FOREX and CRYPTO datasets, ensuring high-quality inputs for machine learning models.
- Applied a triple-labelling method for labelling FOREX and CRYPTO data, integrating regime-switching models such as Gaussian Mixture Models and Hidden Markov Chains to enhance **prediction** accuracy in volatile market conditions.
- Developed and implemented **automated machine learning** pipelines to assess the probability of backtest overfitting and evaluate existing cross-validation schemes.

Product assistant   01/2022 – 01/2023
YOLA English   Ho Chi Minh City, VN
- Assisted the Product Manager in developing an English learning app and web extension, conducting **market research** and executing **targeted marketing** strategies; increased the app's user base by 25,000 and the extensions by 15,000, achieving a monthly active user rate of ~50%.
- Collaborated with external artists to implement **user-nurturing** strategies, resulting in a 7-10% retention rate for the 21-day user cohort.

Education

WorldQuant University   10/2024 – Current
Master of Science in Financial Engineering   Remote

Western Sydney University Vietnam   05/2022 – 05/2024
Bachelor of Business – Applied Finance Major   Ho Chi Minh City, VN
- **Dean's Merit List for Academic Excellence (Distinction Award) with an accelerated degree completion time of 2 years.**
- Awarded **193,000,000 VND+ in scholarships** over 2 years (Highest-tier 1st year, 2nd year, and 3rd year Chancellor's academic excellence scholarships)
- Selected by HCMC Department of Industry and Trade & HCMC Women Entrepreneurs Association to **represent Australia at the ASEAN++ Bridge Forum**, engaging with over 500 diplomats, consuls, business associations, including Australian Consul-General Ms Sarah Hooper, to promote sustainable development.
- Achieved **High Distinction (A+ equivalent)** in Econometrics, Philosophical Economics, Securities & Business Valuation, Financial Institutions & Markets, Management, Accounting, Economics, Enterprise Law, Consumer Behaviour, International Business, Corporate Finance, and Human Resources.

VNU-HCM University of Economics and Law (UEL)   09/2021 – 02/2022 (Discontinued)
Bachelor of International Economics   Ho Chi Minh City, VN
- Awarded **36,000,000 VND+ in scholarships** over 1 semester (Valedictorian entrance scholarship for highest SAT/IB score; Academic scholarship for highest GPA in semester 1).
- Assisted with qualitative data analysis for a paper titled "Peer Tutors' Agency and Emotions in Tertiary English Education in Vietnam" and participated in Sociology and Cross-Cultural Studies classes for Master's students.

Condell Park High School   2017 – 2020
- **Valedictorian / Dux of High School and First in Course throughout all academic years**
- HSC Band 6/6 for Mathematics Advanced (93/100) and Mathematics Extension 1 (47/50); Top 8.4% for all-subject performance in State of NSW
- Distinction & Merit awards | Australian Mathematical Olympiad (AMO) & Australasian Problem Solving Mathematical Olympiads (APSMO)
- High School Student Academic Excellence Award | University of Sydney
- School Science Award | Victor Chang Cardiac Research Institute
- Top 8% of students in Australia in English | University of New South Wales International Competitions and Assessments for Schools

Tran Dai Nghia High School for the Gifted   2014 – 2016 (Discontinued)

Extracurriculars & Non-academic achievements

- P&G PEAKathon 2024 | Top 4 Finalists of Vietnam
- Vietnam's Southern region IELTS Talent Contest 2021 | First place award (month) and Merit award (quarter)
- Mentee at Project X | Joined a fellowship for Vietnamese students interested in IT, offering career guidance, and skills training
- Project leader at university's English club EFFI | Leader of a team of 40+ members, organised two successful projects attracting 250+ participants.
- YOLA English Tutor | Tutored students and working professionals, in IELTS preparation and general English language proficiency
- Member of university's music club SOL | Member of the piano team, in charge of piano-related production for 2 music videos
- Freelance graphic designer | Designed 200+ presentations, logos, marketing and product materials in accordance with strict regulatory requirements (e.g. FDA standards) for export to international markets such as Japan, New Zealand, and the U.S; experience in preparing materials for both digital and print production

Skills

- Languages | English (CEFR C2, 4.5 years of overseas study experience), Chinese (HSK II), Korean and French (Elementary)
- Technical tools | Python, R, PostgreSQL, LaTeX, Markdown, CSS, Excel, SPSS, Minitab, Stata, PowerBI
- Business / Finance | Financial machine learning, market research, algorithmic trading, securities analysis, portfolio management, stock valuation
- Graphic design | Adobe Photoshop, Adobe Illustrator