Hong Ngoc Le

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Relevant experience

Business intelligence intern
Doccen

11/2024 – Current
Ho Chi Minh City, VN

- Authored and maintained comprehensive **technical documentation**, translating business needs into clear requirements for development teams;
- Conducted testing across all web development environments, including **manual and E2E testing**, and created detailed test cases and UAT plans to ensure application quality and functionality.
- Wrote and executed SQL queries using **PostgreSQL** for advanced data analysis, reporting, and database optimisation.
- Designed and implemented wireframes, user flows, and prototypes to support **UI/UX development**, ensuring alignment with business requirements and usability standards.
- Developed and managed **SEO strategies**, including slug standardisation, and metadata optimisation to enhance search engine rankings and visibility.
- Utilised **Agile Scrum methodologies** to facilitate project planning, sprint backlog refinement, and effective cross-team collaboration.

Quantitative research assistant
ICLS Tech

04/2024 – Current
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
YOLA English

01/2022 – 01/2023
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
Master of Science in Financial Engineering

10/2024 – Current
Remote

Western Sydney University Vietnam
Bachelor of Business – Applied Finance Major

05/2022 – 05/2024
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)
Bachelor of International Economics

09/2021 – 02/2022 (Discontinued)
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