

# Van Duc Nguyen

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## EDUCATION

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### Bayes Business School, City St George's, University of London

London, United Kingdom

BSc (Hons) Business with Finance (Expected First Class)

Expected Graduation: Jun 2026

- Selected modules: Financial and Business Analytics/Econometrics (89.5), Financial Markets (86.7), Research Methods and Data Analytics (81.6), Corporate Finance (81.9), AI and Big Data in Business Strategy (100).
- Final-year dissertation: Can Machine Learning models predict returns in the Vietnam Equity market?

### John Paul College

Rotorua, New Zealand

National Certificate of Educational Achievement

Sep 2019 - Dec 2022

- NCEA Level 3 achieved with Excellence.
- Best Academic for International Student (2022).
- Course endorsement: Calculus with Excellence (Level 3).

## EXPERIENCE

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### The Viet Grill / Keu Deli Old Street

London, United Kingdom

Waiter

Jan 2024 - Sep 2025

- Delivered customer service in a fast-paced hospitality environment, handling high volumes during peak periods with accuracy and professionalism.
- Balanced full-time summer employment with part-time university studies, achieving a 5% increase in academic performance while managing commitments effectively across 20 hours weekly.

### Vinh Tien Manufacturing Co., Ltd

Hanoi, Vietnam

Junior Accounts Assistant

Jan 2023 - Jan 2024

- Facilitated with cash flow tracking, cost allocation, and financial documentation.
- Analysed monthly reporting and maintained structured working models for P&L and balance sheet analysis, contributing to a 15% improvement in financial accuracy for departmental budgets.

## PROJECTS

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### Vietnam Equity Return Prediction Using Machine Learning Models

Dec 2025 - Present

- Built and prepared a dataset with 2.0 million observations, 700 companies, and 100 variables spanning 25 years.
- Applied OLS, PCR, PLS, gradient-boosted regression trees, random forest, and feed-forward neural networks, evaluated performance using out-of-sample  $R^2$ , Sharpe ratio, and related metrics.
- Achieved an accuracy rate of 0.3% OOS and presented findings to a panel of 50 faculty members and students.

### Dubai Land Department Transaction Value Prediction and Mispricing Analysis

Dec 2025 - Jan 2026

- Built an end-to-end ML pipeline on 250,000 real estate transactions, including feature engineering.
- Benchmarked linear regression, random forest, and multilayer perceptron models.

### IBM and TORCS AI Racing Playbook

Jan 2026 - Present

- Built a structured playbook, website, and technical introduction video to support participant onboarding and effective use of IBM Granite models within the TORCS AI racing environment.
- Conducted research to shape positioning, onboarding flow, and practical implementation guidance.

## ACADEMIC PRESENTATIONS & AWARDS

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### Student Speaker – Vietnam 2045

London, United Kingdom

SVUK & Vietnamese Intellectual Society Academic Conference

Mar 2026

- Presented dissertation research to a cross-university audience of students, academics, and professionals, followed by live Q&A on machine learning in Vietnam's equity market.

### Finalist Award – Favourite Team

London, United Kingdom

The Project Darts Stock Pitch Competition

Oct 2025 - Dec 2025

## CERTIFICATIONS & SKILL

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**Certifications:** CFA I passed (Nov 2025), CFA II Candidate (May 2026), DeepLearning.AI ML Specialization, Imperial College London Mathematics for ML Specialization, IBM Data Science, WSP Financial & Valuation Modeling.

**Skills:** Python (NumPy, pandas, scikit-learn, PyTorch), Eviews, SQL, Excel, Bloomberg, Linux, Codex, Claude Code.