STEVE HONG

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ACADEMIC BACKGROUND

University College London - BSc Statistics   **Sep 2021–Jun 2024**
- Second-year grade: First Class (78%)
- Modules: Linear Algebra & Calculus, Multivariate Statistics, Stochastic Processes, Optimisation Methods, Algorithms & Data Structures
- Final year dissertation: Bayesian Neural Networks with applications in modelling wind energy - supervised by Prof. Petros Dellaportas

DLD College London - A-levels   **Sep 2019–Jun 2021**
- Grades: Mathematics (A*), Further Mathematics (A*), Economics (A*), Physics (A)
- Awarded an academic excellence scholarship covering 80% of tuition fee
- Merit in AEA Mathematics Awards (top 5% nationally)

WORK EXPERIENCE

J.P. Morgan - AI & Data Science 2023 Summer Internship   **Jun 2023–Aug 2023**
- Engaged in a fast-paced 9-week internship, focusing on machine learning applications within the Wealth Management line of business
- Project in NLP: fine-tuning BERT model for NER tasks with customised labels, used for classifying marketing publications across EMEA
- Streamlined daily business operations by providing visualised, data-driven insights to client advisors and asset solution groups

IMC Trading - Masterclass Programme in Quantitative Trading   **Oct 2022–Oct 2022**
- Selective 2-day in-person student programme for training in market making, probability and financial markets
- Ranked 1st for competition in building a trading algorithm that estimated the fair price of an ETF and executed appropriate positions

Goldman Sachs - Spring Week in Software Engineering   **Mar 2022–Apr 2022**
- Selected among 4000+ candidates for a 6-day student insight programme for software engineering and data science
- Contributed to the design and development of a budgeting application utilising cloud technologies and machine learning

Jane Street - Spring Week in Quantitative Trading   **Apr 2022–Apr 2022**
- A 3-day in-person training programme in probability and trading language & techniques through numerous interactive games
- Engaged in more than 20 hours of exercises in applying probabilistic thinking to decision making, especially in market making

Optiver - Spring Week in Software Engineering   **Apr 2022–Apr 2022**
- A 3-day virtual programme to attend market-making workshops and network with data scientists, traders, and researchers at the firm
- Collaborated in a team of 4 to build a dual-listing trading algorithm in Python using AWS platform

TECHNICAL PROJECTS

UCL Clinical Operational Research Unit – Machine Learning Research Assistant   **May 2022–Jul 2022**
- Conducted independent research on the mathematical and algorithmic operations of Self-Organising Maps for data visualisation
- Investigated different extensions to rectify the incompatibility with categorical data and evaluated their effectiveness
- Implement the batch algorithm of NCSOM in Python based on the Mini-SOM framework

Bloomsbury Capital - Summer Bootcamp Candidate   **Jun 2022–Aug 2022**
- A 4-week training programme on stock pitching techniques by the largest student-run investment fund in the UK
- Worked in a team of 4 to conduct company, catalyst, and risk analysis for Ryan Air to the fund directors, ranked 2 out of 5 teams

LSE Data Science Institute Datathon - Team Member   **Feb 2022–Feb 2022**
- Conducted data processing, visualisation, and analysis in Python for a complex sovereign debt dataset
- Leveraged on network science and machine learning to build an anomaly detection model for predicting financial crises, ranked 3/15

UCL Computer Science Society Hackathon - Team Member   **Feb 2022–Feb 2022**
- A 48-hour project with Microsoft to compose a student-friendly tutorial package for Natural Language Processing, ranked 2/10
- Gained experience in building a speech-to-text programme using Python and Microsoft Azure Cognitive services

VOLUNTEERING ACTIVITIES

Artificial Intelligence Society - Outreach Officer   **Sep 2022–Present**
- Collaborate with academic and industrial AI researchers to organise hackathon, workshop, and speaker events
- Conduct a fundraising campaign to host Climate-Hack in Jan 2023 with universities in the USA, Canada, and Australia

UCL Data Science Society – Workshop Executive   **Jun 2022–Present**
- Honing mentoring skills through leading workshops on Python in Autumn 2022 and data science research projects in Spring 2023
- Responsible for delivering workshops on Matplotlib, Pandas and Scikit-Learn to an average audience group of 40-50 members

SKILLS SUMMARY

- **Programming Languages:** Python (Pandas: Fluent, PyTorch: Intermediate), R (Fluent)
- **Languages**: English (IELTS 8.0), Vietnamese (Native)
- **Interests**: Film photography (Featured on UCL media) and Architecture