**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, Probability & Statistics, Stochastic Processes, Numerical Methods, Algorithms and Data Structures

**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 AI applications within the Asset and Wealth Management division
* Enhanced daily business operations by providing visualized, data-driven insights to client advisors and asset solution groups
* Led a project on pretraining BERT model on SEC-Filing data, then tune it on entity recognition tasks for deeper client insights

**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 AssistantMay 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 MemberFeb 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
* Collaborate with executives to produce tutorial notes and coding exercises for all the Python and ML workshops
* Responsible for delivering workshops on Matplotlib, Pandas and Scikit-Learn to an average audience group of 40-50 members

SKILLS SUMMARY

* **Programming Languages:** Python (Proficient), R (Proficient)
* **Languages**: English (IELTS 8.0), Vietnamese (Native)
* **Interests**: Film photography (Featured on UCL media) and Architecture