

Jasmine Wong

Hong Kong

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Education

University of Hong Kong

Master of Science in Computer Science

Sep 2019 – Aug 2021 | Hong Kong

GPA: 3.95/4.0

Activities: Financial Technology Research Group, Algorithmic Trading Club, Data Science Hackathon Organizer

Relevant Coursework: Financial Computing, Algorithmic Trading, Risk Management Systems, Machine Learning for Finance, Blockchain in Finance, Quantitative Analysis

Bachelor's Degree: B.Sc. in Mathematics and Computer Science, Hong Kong University of Science and Technology, GPA: 3.9/4.0

Work Experience

FinTech Developer | HSBC | Sep 2021 - Present | Hong Kong

- Developed algorithmic trading systems processing \$50M+ daily trading volume with sub-millisecond latency.
- Implemented machine learning models for market prediction achieving 35% improved forecast accuracy.
- Created real-time risk management dashboard monitoring \$1B+ in positions across global markets.
- Built high-frequency trading infrastructure with C++ and FPGA acceleration reducing latency by 40%.

Skills

Financial Programming: C++, Python, R, Java, Scala, KDB+/q, Matlab

Trading Systems: Order Management, Execution Algorithms, Market Data Processing, Backtesting

Quantitative Analysis: Time Series Analysis, Statistical Arbitrage, Options Pricing, Risk Metrics

Data Processing: Real-time Data Streams, Market Data APIs, Trade Data Analysis, Large Dataset Handling

Infrastructure: Low-Latency Systems, FPGA Programming, Network Optimization, Co-location

Regulatory: MiFID II, FRTB, Basel III, KYC/AML, Market Abuse Detection

Other: Blockchain for Finance, Smart Contracts, Payment Systems, Digital Assets, Financial APIs

Certificates

Financial Risk Manager (FRM)

Chartered Financial Analyst (CFA) Level II

FPGA for Trading Systems Certification

Certified Financial Technology Professional

Awards

Best Trading Algorithm – Asian Trading Technology Awards 2023

FinTech Innovation of the Year – Hong Kong FinTech Week 2022

HSBC Global Technology Excellence Award 2022