

Nicholas Fedlim

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EDUCATION

The University of Hong Kong

September 2024 – June 2028

Bachelor of Engineering in Data Science and Engineering, with a Double Major in Finance

- Awarded HKU Entrance Scholarship for Outstanding Academic Talents, Full-Tuition
- CGPA – **3.32** out of **4.30**

INTERNSHIP EXPERIENCE

3C Limited

June 2026 – August 2026

Blockchain System Programmer (Summer Intern)

- Engineered a distributed ledger, blockchain consensus system (RBAS) using Node.js, WebSocket, and PM2, implementing a 9-node architecture with sync modules, a real-time monitoring dashboard, and a database interface
- Built a production-ready DAO/NFT marketplace website with Express.js, PM2, vanilla JavaScript, HTML, and CSS, featuring bilingual support, search, filter, pagination, QR-coded NFT hash cards, and ownership-based editing wallet

SLR Lab, The University of Hong Kong

June 2025 – August 2025

Computational Programmer Summer Intern

- Assisted the development of a Front-End website for the research team using Vue.js 3 and the Bootstrap 5 framework
- Developed and enhanced a lab chatbot UI by applying interactive web features and personalised functionalities to improve user engagement and problem-solving capabilities

PART-TIME & ACADEMIC EXPERIENCE

Centre for Investment Management, HKU Business School

October 2025 – Present

Senior Portfolio Manager, Web Development Team Head

- Managed a healthcare paper-trading portfolio in Python, yielding a 39.87% 1-Year Return and a 1.38 Sharpe Ratio
- Maintained a GitHub-hosted website using HTML, CSS, and JavaScript as part of the web development team

School of Computing and Data Science, The University of Hong Kong

January 2026 – May 2026

Student Teaching Assistant

- Provided direct academic support to 162 students in COMP2501: “Intro to Data Science and Engineering” (About R)
- Enhanced assessment quality by designing original and challenging R questions for assignments, labs, and exams

PROJECTS

Engineer’s Gambit: C++ and Linux Terminal Game

- Collaborated in a team to construct a 5-stage C++ terminal game featuring real-time physics and collision mechanics
- Optimised all 5 core game stages to ensure smooth 60 FPS performance and cross-platform Linux compatibility

Twist Tac Four: Python Terminal Game with AI Opponent

- Co-developed a strategic Python game featuring a dynamic 4x4 rotating board (inner/outer ring mechanics) and a game tree-based AI opponent
- Engineered the full UI (menus, animations, screen clearing) and core game logic, including rotation-adjusted win-checking and an Infinite Mode with random piece deletion

EXTRACURRICULAR ACTIVITIES

HKU Student Ambassador and CEDARS Scheme

September 2024 – Present

Student Committee **Head (Event Management)** and Choir, Shun Hing College HKU

September 2024 – Present

HKU CAES Staff-Student Consultative Committee (SSCC) Student Representative

September 2024 – December 2024

SKILLS & OTHERS

Languages : English (Bilingual, IELTS 7.5), Mandarin (Basic, HSK 4), Indonesian (Native)

Programming Skills : Python, C++, R, MySQL, GitHub, HTML, CSS, JavaScript, Node.js, PM2, Figma, Tableau

Certificates : Google Data Analytics, Bloomberg Finance Fundamentals, **Bloomberg Market Concepts**

Relevant Coursework : Data Structures & Algorithms, Database Management, Basic Accounting, Corporate Finance