

# CHENG HO MING

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## EDUCATION

**Bachelor of Arts and Science in Applied Artificial Intelligence** Sep 2023 - Aug 2027

The University of Hong Kong

- CGPA: 3.42/4.30
- Relevant Course: Python (A+), C/C++ (A), Computer Organization (A)

**King's College, Hong Kong** Sep 2017 - Aug 2023

Hong Kong Diploma of Secondary Education

- Level 5\* in Mathematics, Physics, Information and Communication Technology
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## EXPERIENCE

**InspireLab Limited, Summer Internship** May 2024 - Aug 2024

- Integrated 4 open-source libraries into applications running on low-cost RISC-V microcontroller (CH32V003F4P6/J4M6).
- Utilized 4 hardware modules (USART, I2C, ADC, GPIO) to facilitate device communication.
- Developed an emulator library to simulate the behavior of a subset of functions utilized in the embedded software created.
- Recommended pin assignments for hardware engineers when designing new circuit boards.

**Stock Market Simulator, School Project** Apr 2024

- Accelerated code review by utilizing GitHub Actions.
- Delivered quality code by enforcing formatting style and documentation using clang-format and doxygen.

**PyInstaller, Open Source Development** July 2021 - Nov 2021

- Merged 16 pull requests. 14 on pyinstaller-hooks-contrib, 2 on pyinstaller.
  - Documented change log, wrote test cases, and answered StackOverflow questions.
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## ADDITIONAL INFORMATION

- **Programming Languages:**
  - Experienced: Python, C/C++
  - Attempted: Pascal, Makefile, Bash, Excel VBA
- **Languages:** Cantonese (Native), English (Fluent), Mandarin (Fluent)