

CHENG HO MING

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EDUCATION

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| The University of Hong Kong
Bachelor of Arts and Science in Applied Artificial Intelligence <ul style="list-style-type: none">CGPA: 3.42/4.30Relevant Course: Python (A+), C/C++ (A), Computer Organization (A) | Sep 2023 - Aug 2027 (Expected) |
| King's College, Hong Kong
Hong Kong Diploma of Secondary Education <ul style="list-style-type: none">Level 5* in Mathematics, Physics, Information and Communication Technology | Sep 2017 - Aug 2023 |
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WORK EXPERIENCE

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| InspireLab Limited (STEM Education), Summer Internship <ul style="list-style-type: none">Used low cost RISC-V MCU (CH32V003F4P6) and open source libraries to prototype STEM related software, such as RISC-V compressed instructions programming via buttonsUtilized 4 hardware modules (USART, ADC, GPIO, I2C) for debug message output, button press detection, LED control, and OLED display (ssd1306) to create interactive softwareDeveloped an emulator library to simulate embedded software functions, enabling comprehensive testing without relying on physical hardwareWorked together with hardware engineers to test and verify new board designs to achieve critical functionality | May 2024 - Aug 2024 |
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PROJECT EXPERIENCE

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| Stock Market Simulator, School Project <ul style="list-style-type: none">Accelerated code review by utilizing GitHub ActionsDelivered quality code by enforcing formatting style and documentation using clang-format and doxygen | Apr 2024 |
| PyInstaller, Open Source Development <ul style="list-style-type: none">Merged 16 pull requests. 14 on pyinstaller-hooks-contrib, 2 on pyinstallerDocumented change log, wrote test cases, and answered StackOverflow questions | July 2021 - Nov 2021 |
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ADDITIONAL INFORMATION

Programming Languages:

- Experienced: Python, C/C++
- Attempted: Pascal, Bash, Excel VBA

Tools: Makefile, Git, GitHub Actions

Languages: Cantonese (Native), English (Fluent), Mandarin (Fluent)