

# CHOI, Long-ho Happy

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## EDUCATION BACKGROUND

2023 – Present (expected Jun 2027)	<b>The Hong Kong University of Science and Technology (HKUST)</b> Bachelor's Degree in Engineering, major in Computer Science (with an Extended Major in Artificial Intelligence) (CGA: 3.017 / 4.3) Minor in Big Data Technology, Minor in Mathematics
2017 - 2023	<b>Tin Ka Ping Secondary School</b> HKDSE (2023): 5* in Mathematics (Compulsory Part), 5* in Mathematics (Extended Part Module 2), 5 in Physics, 5 in Chemistry, 5 in Liberal Studies

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## PROJECTS AND COURSEWORK

### Projects / Experience:

- **Heat Index Estimation (2025 Summer UROP1000)**
  - Supervised by Prof. FUNG, Jimmy Chi Hung, and co-supervised by Dr. CHAN, Jimmy Wai Man
  - predicting localized temperature exposure across different times and locations using a Sky-View factor approach
- **An IT admin of a website from my class in high school, Jul 2023 to present**
  - Creates some detailed, with some step-by-step guidance user-manual for telling how other students can create their own blogs, upload photos or others on the class website
  - Doing regulations on monitoring and addressing offensive or illegal content in order to ensure a safe user environment for my classmates and teachers

### Internship:

- **AI Programmer – Centre for Intelligent Multidimensional Data Analysis Limited (Jun 2025 – Aug 2025)**
  - Collaborate with senior engineers to work on some new programming projects
  - Working on backend development by using PostgreSQL and writing several APIs for the React Native frontend

### Course Highlights (currently / already enrolled):

- Artificial Intelligence (COMP 2211)
  - Machine Learning techniques (EMIA 4110)
  - Programming in Python and C++ (COMP 1021, 2011, 2012)
  - Design and analysis of Algorithms (COMP 3711)
  - Honor Discrete Mathematics (COMP 2711H)
  - Linear Algebra (MATH 2111)
  - Object-Oriented Programming (COMP 2012)
  - Data Structures (COMP 2011, 2012)
  - Computer Organizations (COMP 2611)
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- Statistics (MATH 2411)
- Data mining tools like XLMiner (COMP 1942)
- Design Thinking (EMIA 2020)

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## SKILLS

### Technical Skills:

- Programming Language: C++, Python (including scikit-learn, PyTorch, Keras)
- Web development: Basic HTML
- Database management: Basic MySQL, R
- Software: LaTeX, Canva, Microsoft Office, Microsoft Clipchamp, CapCut
- AWS badges:
  - AWS Educate: Introduction to Generative AI

### Soft Skills:

- Time Management and Organizational
  - Always be punctual, attend the meeting on time and even before 10 minutes
  - Not a deadline fighter, always finish the task several days before the deadline
- Organizational
  - Proficient in organizing workloads, and prioritizing tasks by making good use of daily planning tools, optimizing productivity across different tasks and responsibility
  - Utilizes effective organizational methods to enhance overall performance and efficiency on different tasks or projects
- Proactive self-learn
  - Proactively finished a Linear Algebra course on Coursera before the official enrollment of the Linear Algebra at the University
  - Self-learn advanced Python skills on Kaggle with a certificate before teaching the advanced knowledge during the AI course
  - Learn some basic SQL on the Internet during the holiday break
- Open to criticism
  - Embrace feedback as an opportunity to make improvement
  - Actively listen to constructive criticism and integrate it to enhance performance
  - Follow instructions from supervisors and actively demonstrate a willingness to learn from critiques

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## ENRICHMENT ACTIVITIES AND LEADERSHIP ROLES

Feb 2025 – May 2025

### **Tin Ka Ping Secondary School F.5 Mathematics (Extended Part Module 2) Enhancement Class Tutor**

- Prepare course outlines, handouts, and review and provide feedback on the coursework for 23 participating students who are taking M2 as one of their elective subjects in HKDSE
  - Deliver a total of 7 tutorials for the high school students based on the course materials prepared
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Apr 2024 – May 2024	<b>Tutor of the Revision Class for Special Education Needs (SEN) students</b> <ul style="list-style-type: none"> <li>➤ Giving academic support and guidance to the SEN students</li> </ul>
Oct 2023 – Feb 2024	<b>Tin Ka Ping Secondary School F.6 Chemistry Enhancement Class Tutor</b> <ul style="list-style-type: none"> <li>➤ Prepare course outlines, handouts, and review and provide feedback on the coursework for 1-2 participating students who are taking Chemistry as one of their elective subjects in HKDSE</li> <li>➤ Deliver a total of 10 tutorials for the high school students based on the course materials prepared</li> </ul>

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## AWARDS AND RECOGNITIONS

Nov 2023	<b>Dean of Engineering Scholarship for the Year 2023 (received from HKUST)</b> <ul style="list-style-type: none"> <li>➤ In recognition of the excellent academic achievement in the Hong Kong Diploma of Secondary Education Examination</li> </ul>
Oct 2023	<b>Outstanding TKPSS Graduate Award (received from Tin Ka Ping Foundation)</b> <ul style="list-style-type: none"> <li>➤ In recognition and appreciation of the remarkable academic achievement in HKDSE</li> </ul>

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