

# Ng Tsz Hei

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<https://github.com/HEI204>

## Summary

I am a final year computer science student at the City University of Hong Kong, where I have developed a strong passion for learning new technologies and taking on new challenges. In addition to my technical skills, I am a team player who is skilled in collaborating with others and able to work effectively both in a team and independently. I am proactive and always willing to put in the time and effort needed to improve and succeed. Whether working on group projects or tackling problems on my own with my ability to adapt and find creative solutions.

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## Education

### Bachelor of Science in Computer Science

City University of Hong Kong

12/2024

- CGPA: 3.77/4.3
  - HKSAR Government Scholarship 2022/23
  - 5 Dean's List (semester A & B 2022/2023, semester A & B 2021/2022, semester B 2020/2021)
  - City University of Hong Kong, Talent Award
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## Experience

### IT Summer Intern

Orient Overseas Container Line

06/2024 - 08/2024

- Develop a self-correcting Terraform code agent with RAG using LangChain, OPA, Chroma and Python to generate valid code block by prompt or diagram
- Participate in a web development project for frontend development with Angular and deployment pipeline with Docker and Jenkins

### Student Placement

Siemens Limited

06/2023 - 03/2024

- Develop and implement automated solutions for various office tasks using Python, enhancing operational efficiency
- Design and create a user-friendly GUI with Tkinter for the automated solutions, significantly improving ease of interaction for non-technical users.
- Handle data cleansing for building and IoT data with Pandas, and employ Seaborn for intuitive visualization

### Summer Intern

China Mobile International Limited

06/2022 - 08/2022

- Built and maintained price scrapers in Excel VBA, Python Selenium, and Request API to gather real-time and historical data from energy and financial markets.
  - Analyzed and visualized the scraped data in Excel, providing insights for market trend analysis.
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## Projects

- FYP: Human Tetris with Depression Level Detection
  - Skills involved: Unity (C#), Microsoft Azure, MediaPipe, Terraform, Docker, Computer Vision and Machine Learning

- [https://github.com/HEI204/FYP\\_HumanTetris](https://github.com/HEI204/FYP_HumanTetris)
  - Social Network Web app
    - Skills involved: React JS, Django, JWT auth, SQLite
    - Allow users to create, like posts and follow users.
    - <https://github.com/HEI204/ALE-Network>
  - Portfolio
    - Skills involved: Vue.js, Bootstrap
    - <https://hei204.github.io/>
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## Certificate

- Microsoft Certified: Azure Fundamental
  - Microsoft Certified: Azure AI Fundamentals
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## Activity

- Student Mentor from Department of Electrical Engineering
    - To help first-year students adapt to university life
    - Communicate with the mentees and understand their difficulties
  - HK TECH TIGER
    - Talents Programme in City University of Hong Kong
    - Top 10% Year 1 students in the College of Engineering in 2020/2021
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## Skills

Python, Javascript, Pandas, Django, React.js, Java, C++, Terraform, Docker

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## Languages

Cantonese (Native), English (Intermediate), Mandarin (Fair)