

Ka Shing Ngai

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<https://sam1037.github.io/personal-website/>

EDUCATION

The Chinese University of Hong Kong

Aug. 2022 – July 2026 (Expected)

B.Sc. in Computer Science (Year 2)

- CGPA: 3.47

Relevant Courses

- CS50X (online)
- Problem Solving By Programming: A
- Intro to Computing Using Java (OOP): A-
- Data Structures (In Progress)

PROJECTS

Personal website | *HTML, CSS, JavaScript*

- Developed a responsive personal website using html, css and JavaScript
- Hosted the website with github page
- Consists of articles about projects and university course reviews

Investigation on Dream's cheating | *Python, Jupyter notebook, Probability*

- Investigated how statistics and probability were used to determine a famous YouTuber (Dream) was caught cheating in a video game (Minecraft)
- Analyzed the data and implemented code simulations in Jupyter Notebook with scipy and numpy
- Used Central Limit Theorem to suggest how Dream could remain unsuspecting

Handwritten Digit Recognition | *Python, Machine Learning*

- Implemented a simple neural network to recognize handwritten digits
- Learned the basics of neural networks

Discord Bot | *Python, Heroku, Discord API*

- Developed a simple discord bot with discord API in Python
- Hosted the application with 3rd party cloud platform heroku

Custom Hotkey Script | *Python*

- Implemented custom hotkeys with Python, such as typing an email address, or opening a website
- Make use of various modules, such as pyautogui, win32gui, win32con

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript/HTML/CSS

Developer Tools: Git, VS Code