

Mo Ngai^(he/him) Computer Engineering Student

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TECHNICAL SKILLS

Computer

- C, C++
- Python, Django, Pandas
- HTML, CSS

Hardware

- Breadboard
- Arduino
- Circuit Analysis
- Soldering Iron
- Multimeter

EDUCATION

University of British Columbia
Bachelor of Applied Science - Computer Engineering
CGPA: 83.5%

Expected Graduation: May 2027

TECHNICAL PROJECTS

Forum, Personal Project

July, 2023 – Current

- Idea: Develop a platform where people can ask homework questions for free and receive volunteer homework help.
- Objectives: to learn full-stack web development, and to build a platform using Django.
- Potential objectives: to enhance frontend skills like HTML, CSS, and JavaScript; to implement basic app security (sessions and login).

Autonomous claw project, UBC (Team Project)

January, 2023 – April, 2023

- Built an autonomous claw that takes action by scanning the height of it to the ground.
- Gained basic hands-on experience with sonar sensors, cutting tools, and servo mechanisms.
- Improved teamwork, 3D designs, and project management skills through prototyping
- Demonstrated programming proficiency by creating Arduino code compatible across competition rounds.

Discord Bot, Personal Project

June, 2021 – September, 2021

- Built a Discord bot for a game guild capable of creating a guild member list, sending welcome messages, and assisting with role registration.
- Proficient in Python, developed a Discord bot using libraries like BeautifulSoup, Pandas, and Discord.
- Crafted a Python crawler to extract member list data from the 'plancke.io' website.
- Adapted to APIs instead of web scrapping to collect data later in the project.
- Showcased resourcefulness, adaptability, and a passion for self-learning.

VOLUNTEER EXPERIENCE

SOUTH VANCOUVER NEIGHBORHOOD HOUSE, Vancouver, BC **December, 2020 – August, 2021**

General Volunteer

- Assisted in packaging gifts and giving them away to the neighbourhood.
- Helped to collect electronics in the neighbourhood for recycling.
- Helped to fundraise for charity and clean the neighbourhood.

HONG KONG AWARDS FOR YOUNG PEOPLE, Hong Kong **September, 2019 – March, 2020**

Camping Leader

- Flag-selling and cleaning the campsite while camping.
- Developed leadership skills, camping knowledge, and responsibility.
- Planned a few camping trips.

AWARDS

Dean's List	2023
Killarney Parents Advisory Council Scholarship	2022

INTERESTS & ACTIVITIES

- **Travel**
- **Kayaking**
- **Programming**
- **Reading**