

Alan Hu

Cell 416-859-5596 | 17.alanhu@gmail.com | alannhu.com

Skills

Programming: C, HTML & CSS, Learning JavaScript and Java

Software Tools: Microsoft Excel, Microsoft Word, and Solidworks

Language: English and Chinese

Work Experience

Engineering Building Supervisor, Engineering Society of Queen's University, Kingston ON Sept 2023 – Present

- A resource to engineering students in the Queen's Engineering Building by supervising the building after faculty hours.
- Providing students access to special equipment in the engineering building which includes Arduinos and analogue circuits.

Apprentice Sprinkler Fitter, Vortex's Fire Protection, Toronto ON June 2021 – Sept 2021

- Collaboration with teammates to cut openings that accommodate for specific pipe sizes.
- Reviewed blueprints and project specifications to determine the correcting plumbing solutions at 3 different sites.
- Calculated the point loads of the pipes to ensure proper strength and instalments of plumbing solutions.
- Assisted in creating time efficient solutions.

Projects

Pacman Game

- Worked with a team of 3 to develop a working Pacman game.
- Utilized concepts of recursion to simulate an enemy non-playable character.

Robotic Arm

- Led a team of 5 to designed and developed a working robotic arm.
- Handled the software components of the arm using Arduino UNO.
- Involved programming sensor and motors, served as the joints of the robotic arm.

Education

Bachelor of Applied Science in Engineering, Queen's University, Kingston ON Sept 2022 – Present

- Department of Computer Engineering

Co-Curricular Activities

Engineering Orientation Committee Member, Queen's University, Kingston ON Nov 2022 – Sept 2023

- Teamwork and collaboration with 15 other committee members to oversee upcoming 2023 orientation week for 1000 first year engineering students.
- Hired, managed, and trained 400 orientation week leaders.
- Communicate with vendors to acquire materials to build budget for day events, food, etc.
- Created an itinerary plan to oversee risk, safety, numbers of students, etc.

Enactus, Queen's University, Kingston ON Sept 2023 – Present

- Working with a team of seven to create innovative and self-sustaining projects/businesses that advance the economic, social, and environmental health of communities around the world.
- Presenting to Enactus bi-weekly to discuss potential sustainable business solutions that improve the social, economic, and environmental well-being worldwide.