

Annie Phan

437-345-4275 | anniephan3113@gmail.com | [linkedin.com/in/annie-phan](https://www.linkedin.com/in/annie-phan) | github.com/phanannie

EDUCATION

McMaster University

Bachelor of Computer Engineering (GPA: 3.94)

Hamilton, ON

Sept 2022 – April 2026

EXPERIENCE

Software Communications Engineer

Engineering Department, McMaster University

April 2023 – Present

Hamilton, ON

- Conducted research to gather and synthesize information for communication content, while also collecting data to compile usage statistics of communication outlets and providing suggestions for improvements based on observations
- Developed and maintained website content, ensuring the quality and accessibility of web content through editing HTML and CSS
- Contributed to internal communications projects, including e-newsletters, print publications, and video production, utilizing software and programming knowledge to create graphics, photos, and video assets
- Assisted program/department staff to plan, coordinate, and implement various communication projects

Undergraduate Research Assistant

David Braley Health Science Centre, McMaster University

April 2022 – Aug 2022

Hamilton, ON

- Collaborated with the research team of 5+ members for chart reviews, data extraction, quantitative data analyses and prepared data finding summaries under the supervision of Dr. Dee Mangin for the Ontario COVID@Home Monitoring Program
- Analyzed and maintained data through software programs NVivo, SPSS, Microsoft Office and REDCap
- Synthesized research knowledge and developed plain-language research summaries for research projects following methodologies
- Conducted interviews and focus groups then coded and cleaned qualitative linguistic data used to improve McMaster's Pilot Research Project

Teaching Assistant

Kumon Canada

Sept 2018 – April 2023

Mississauga, ON

- Collaborated with the head instructor to generate reports and lesson plans through Kumon database software and Excel for 60+ students
- Utilized Kumon grade book platform to service 30+ students daily for tutoring
- Troubleshoot upkeep of database and maintain classroom equipment, and student worksheets

PROJECTS

System for Sterilizing Surgical Tools | *Python, Quanser Interactive Labs*

Nov 2022 – Dec 2022

- Developed a Python program to transport surgical tools inside a container to facilitate sterilization in a simulated environment using Quanser Interactive Labs
- Utilized virtual potentiometers to control the transport mechanism, providing precise and accurate control over the surgical tools
- Implemented a user interface to control the program, providing a user-friendly experience for medical professionals
- Created documentation for the program to ensure ease of use and maintainability

System for Recycling Containers | *Autodesk Inventor, 3D Printing*

Jan 2023 – Feb 2023

- Collaborated with a team of engineers to design and model a recycling mechanism that accurately and efficiently sorts and recycles containers
- Utilized Autodesk Inventor to design, model, assemble, and engineer drawings of the recycling mechanism
- Conducted preliminary and refined concept sketches for the mechanism using both rotary and linear actuators

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, R, SQL

Frameworks: ReactJS

Developer Tools: Git, VS Code, Visual Studio, PyCharm

Tools/Software: Microsoft Office (Word, Excel, PowerPoint, SharePoint), AutoCAD Software, MATLAB