

Clara Wong



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clarawong20.github.io/portfolio

EDUCATION

Bachelor of Engineering, Integrated Biomedical Engineering and Health Sciences

Sept 2021-Present

McMaster University, Hamilton, ON

- Currently enrolled in level 2 of the 5-year Electrical and Biomedical Engineering Co-op program
- Achieved a cumulative grade-point average of 9.63 on a 12.0 scale
- Awarded the McMaster Entrance Scholarship for having a grade-point average over 90% in high school

SKILLS

Programming

- Python, C, C++, React.js, HTML, CSS, Javascript, MATLAB, Processing, SQL

Tools

- Autodesk Inventor, SolidWorks, 3D Printing (Prusa, Ultimaker), Figma, Microsoft Office, Blender, Magics

WORK EXPERIENCE

Summer Research Student

May 2022-Aug 2022

The Hospital for Sick Children, Co-op

- Built surgical craniosynostosis simulation models using CAD and art softwares, 3D printers, and silicone molding
- Demonstrated problem solving skills and initiative in a self-directed environment
- Accomplished assigned tasks two weeks ahead of the deadline

Store Associate

Jul 2021-May 2022

Dollarama, Part-time

- Delivered a positive customer experience by resolving customer issues and providing courteous service
- Boosted sales by 10% by processing transactions accurately and efficiently in a fast-paced environment

PROJECTS

Personal Portfolio Website

Dec 2022-Present

- Created, maintained, and updated a personal portfolio website featuring my projects and experiences using React.js, demonstrating proficiency in HTML, CSS, and Javascript

CPR Device

Mar 2022-Apr 2022

- Collaborated in a group of 4 to design a CPR device that measures force and pace of compression
- Utilized Python, Raspberry Pi, and breadboard components to create the device
- Presented and demoed our project at a design fair for over 100 people

EXTRACURRICULARS

MED-T McMaster Outreach Team

Sept 2021-Present

- Created educational infographics on topics in biomedical engineering
- Led an Autodesk Inventor workshop for the engineering faculty, targeted towards beginner CAD software users

Google Developer Software Club Outreach Team and Community & Code Team

Sept 2021-Present

- Displayed organizational skills by planning MacHacks 2 and technology panels for McMaster Students
- Developed a start up incubator program for McMaster students, launching in Winter 2023

Chem E Car Circuitry Team

Oct 2022-Present

- Utilized Raspberry Pi and Arduino to initiate and analyze chemical reactions to run a chemically powered car