

Caylia Bonnick

✉ bonnickc@mcmaster.ca ☎ 905-925-5421 in <https://www.linkedin.com/in/caylia-bonnick/>
🔗 <https://github.com/cayliab03>

EDUCATION

McMaster University

Pursuing a bachelor's degree in Electrical Engineering

09/2021 – 04/2025

TECHNICAL SKILLS

Programming Languages

Python, C/C++, CSS, JavaScript, HTML, MATLAB, R, Verilog, VHDL

Tools

GitHub, Hubspot, Visual Studio Code, Eclipse IDE, R Studio, Analog Discovery 2, Autodesk Inventor, Raspberry Pi, Microsoft Office, ORCAD PSpice, Quartus II

Equipment Expertise

Breadboard, Oscilloscopes, Digital Multimeters, Signal Generators, Function Generators, Voltage and Current Probes, Integrated Circuits

Spoken Languages

Fluency in English and French

EXPERIENCE

Toturax

Private Tutor

- Teaching a wide range of subjects to students from grades 1 to 12 in English and French.

03/2023 – present

McMaster Women* in Science and Engineering (WISE)

Crest Research & Conference Executive Director

- Spearheading the “Current Research in Engineering, Science, and Technology” annual regional conference with a team of other women in the science and engineering field
- Hosting the “GenerationSTEM” workshop with panels, research presentations, and lab tours for female high school and undergraduate students interested in pursuing a degree in STEM as well as providing networking opportunities

11/2022 – Present

Real Canadian Superstore

Joe Fresh Sales Associate

- Ensuring all customers receive excellent service through courteous salesmanship, and prompt service. Maintaining a **100% positive** customer and employer feedback score
- Recently assigned to “Ship from Store” service based on my efficiency and ability to perform well under pressure. This position entails handling sales, shipments, and returns through a POS software system
- Stocking, replenishing, and organizing merchandise with accuracy and efficiency

10/2019 – Present

PROJECTS

Bend Your FootPrint

Elle Hacks

- Developed a website with an embedded python-coded quiz with a team in 36 hours
- Utilized Hubspot CRM, HTML, and JavaScript to make the website interactive
- Styled using CSS to implement easy navigation for users

Portable Game Console

- Built a portable game console using a Raspberry Pi 4 and Retro Pie, a classic video game emulator
- Used a hard case to house the console and a power bank to supply portable power
- Connected a bluetooth controller as well as a monitor to the Raspberry Pi
- Flashed Retro Pie onto a microSD card and installed game ROMs

Personal Website

- Created a static website hosted on GitHub Pages
- Files are written in HTML, CSS, and JavaScript
- Showcases my experiences, projects, and achievements
- Uses Google Sheets to receive contact from clients

Sorting Robot

Associated with McMaster University

- Used Python to program a recycling robot to sort, transport, and deposit containers made of different materials to their corresponding recycling bins in the Quanser Interactive Labs interface
- Used a colour sensor to ensure each container was properly identified and deposited into the correct bin
- Used an infrared sensor to have the robot follow a leading line around the track