

Tim Cook

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github.com/TimCook

Skills

Electronic Tools:

- Oscilloscope
- Soldering
- Power Systems
- Signal Processing

Software/Hardware:

- MATLAB
- C/C+
- AutoCAD
- Java
- Pspice
- Python

Projects

CD-ROM Gear-Train System

- Designed a CD-ROM Gear-Train by Utilizing 3D printing technology
- Verified and simulated the Gear-Train's performance using 2D and 3D solid-modelling software

Sumobot Designer

- Designed and assembled an autonomous robot consisting of motors, motor drivers, sensors, and an Arduino microcontroller
- Created various sets of C# code to allow for autonomous features

Education

BA of Engineering, Electrical Eng. Sept 2019 – April 2023

McMaster University, Hamilton ON

- Enrolled in level 3 of the 4-year Electrical Engineering co-op program
- Maintaining a cumulative grade point average of 3.6
- Applied object-oriented programming concepts and techniques and programmed in **C, Java & Python** to specifications during programming labs
- Developed logic based circuits through **Altera Quartus**, receiving an A in logic system labs
- Demonstrated circuit theory by implementing and analyzing circuits during the circuitry labs
- Excellent written and verbal communication skills developed through teamwork experience

Experience

Electrical Engineering Co-op Sept 2021 – April 2022

General Motors Canada, Markham ON

- Generated designs and specifications for various small projects
- Assisted senior engineers with equipment installations and start ups
- Diagnosed and resolved technical issues while providing technical support to the maintenance, production, quality, and safety departments
- Tweaked existing tools and equipment to maximize efficiency and productivity by 30%

Geek Squad Computer Technician May – Nov 2020

General Motors Canada, Markham ON

- Diagnosed technical problems and performed repairs or advised clients about available upgrading opportunities
- Provided technical information to clients on available products and services
- Assisted approximately 20 unique customers per shift in a quick and friendly manner
- Received Technician-of-the-Month Award twice for providing outstanding customer service