

Matthew Chu

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OBJECTIVE:

- To obtain co-op experience in Computer/Electrical Engineering or Software design.
- Available Jan- August 2020

EDUCATION:

Rochester Institute of Technology, Rochester, NY

Expected Grad: May 2022

- Program: Computer Engineering Technology
- Degree: Bachelor of Science
- GPA: 3.25
- Honors: Dean's List: Spring 2018

RELATED COURSES:

- | | | |
|---------------------------------------|--|---|
| • Microcontrollers (ArduinoC) | • Electronics I,II + Lab | • Signals, Systems and Transforms + Lab |
| • Digital System Design (VHDL) | • Computational Problem Solving I,II (C++) | |
| • Hardware Description Language(VHDL) | • Digital Fundamentals | |
| | • DC/AC Circuits | |

SKILLS:

- **Hardware**: VHDL, Quartus II, ModelSim, Altera Cyclone II FPGA, Arduino Uno, Ableton, Cubase 9 & 10
- **Software**: C, C++, Java, ArduinoC, Javascript, HTML, CSS, PHP, SQL, MATLAB
- **Other**: Microsoft Office, oscilloscope, multi-meter, Github
- **Language**: English, Spanish, Chinese (Mandarin)

PROJECTS:

- Designed a lock using C code with customizable passcodes. Could allow separate codes for entry.
- Designed and constructed power amplifier with constraints.
- Produced soundtrack for e-sports event.
- Designed and assisted construction of siege-type slingshot with ranged release mechanism.

INTERESTS/ACTIVITIES:

- Creating and editing soundtracks
- Chinese for Christ church volunteered in teaching position for Summer Enrichment Program