



ETHAN ELLIOTT

UOIT Software Engineering 2020

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SUMMARY

Third-year Software Engineering student at UOIT, Ontario start-up programmer, programming mentor for a world-class robotics team, musician, Freelance web developer and designer, who's passionate about developing for the future.

EDUCATION

University of Ontario Institute of Tech.
B.SE. Bachelor of Software Engineering
2016-2020

Orchard Park Secondary School
High School Diploma
2012-2016

TECHNICAL SKILLS

Native speaker: C/C++, Java, Spring, Python, HTML5, CSS3, JavaScript, NodeJS, PHP, JQuery, Jade, Stylus, p5.js

Conversationally fluent: AngularJS, MongoDB, ExpressJS, Processing, ReactJS

Curious tourist: LabVIEW, MATLAB, Maple, GO, TensorFlow

Tools and Platforms: Git/GitHub, Mercurial, Bitbucket, Eclipse, Atom, NPM, Yarn, Chocolatey, Linux, MacOSX

PERSONAL SKILLS

- Responsible and Detail Oriented
- Effective task prioritization
- Independent Worker
- Effective team member
- Fast learner

AWARDS

- Innovation First International / VEX Scholarship
- Waterloo Math Competition Fermat Test – 1st in school
- 2056 Robotics Veteran Award
- Inductee to the academic honours society

EXPERIENCE

Software Eng. Co-op – National Defence (2018May – 2018Sept)

- Four-month Software Engineering co-op.
- Further developed skills with Java, SpringBoot, Python, Git, building a REST API, and Oracle Database communication.
- Worked on a team to develop software systems at an enterprise level.

Cook – Hamilton Conservation Authority (2017May – 2017Sept)

- Worked at local waterpark as a cook.
- Developed customer service skills through interaction with patrons
- Worked as a member of a large team of dedicated individuals
- Practiced efficient communication between

Lead Programmer - FIRST robotics Team 2056 (2015-2017)

- Worked with a team of university and high school students to program multiple FIRST FRC robots in C++, won a combined 6 regional events, 2 world championship divisions, and a finalist at the 2016 world championship.

Server/Prep-Chef/Dishwasher – Memphis Fire BBQ (2014-2016)

- Worked at local restaurant as kitchen help.
- Worked with customers, answered phones, operated POS system.
- Trained with WHIMS after GHS and food safety.

PROJECTS

VexIQ Rubik's Cube Solver (RubIQ's Cubester)

- A VexIQ robot programmed in Python / RobotC
- Solves a Rubik's cube in under 5 minutes
- Developed vision algorithm for detecting colours on cube

UOIT Personal Dashboard

- Electron application for UOIT students' organization
- Fetch course and class information for scheduling
- To-Do list for tracking assignments
- Customizable icons and colours

Personal Code Repository (OPrepo)

- NodeJS web app repository for storing code for Team 2056
- Similar to GitHub, with command-line committing.
- History of commits available to view.

FIRST robotics team 2056 Robot Code (2014-2016)

- Robot code written in C++.
- Made use of a custom PID control system, vision tracking, various sensors and actuators.
- Winner of 7 regionals, 2 championship divisions, and 5 technical awards.