

Skills

- Active software developer who builds projects, attends hackathons, and learns new languages
- **Languages:** C, C++, C#, Java (Android), Python, SQL (MySQL, SQLite), PHP, VHDL, Assembly
- **Web:** React, Redux, jQuery, Node, HTML, CSS (LESS, SASS), Bootstrap, AngularJS, Django
- **Technologies:** Linux (Ubuntu), Unix, Git, Bash, Atlassian (JIRA, Stash, Confluence), Visual Studio
- Great passion and enthusiasm for learning, adept in problem-solving, excellent communicator

Work Experience

Evertz Microsystems

Outstanding Evaluation

May 2017 – Aug 2017

Web Applications Developer

Burlington, Ontario

- Developed scalable and responsive video streaming web applications through React and Redux
- Improved search engine speed by more than 20% by restructuring webpage components
- Enhanced data workflow by efficient result querying and refining search results for user needs
- Built a client-specific user interface for barcode recognition and custom broadcast job scheduling

Projects

Personal Website Redesign

September 2017

- Launched an online portfolio on GitHub Pages with React, React-Bootstrap, SASS and Material-UI

Starter's Blog

July 2017

- Created a ready-to-deploy custom blog template using Django, Jinja templating and Bootstrap
- Employed SQLite backend capabilities to allow for blog data storage and editing through UI

Hangr – HackPrincetonS17 Project

April 2017

- An IoT project for a 'smart closet' to help users select clothes through machine learning
- Integrated IBM Watson and visual recognition to obtain clothing information, hosted on the web

Fitness60

March 2017

- Developed a fitness tracking Android application using Java, Android Studio, Android SQLite
- Implemented via multipage application allowing for user options and custom workout creation

QuikPic – QHacks17 Project

February 2017

- Achieved up to 25% faster webpage load times and lower bandwidth usage with Chrome extension
- Utilized image size reducers through Amazon Web Services server and made with Node and HTML

Relevant Experience

Midnight Sun Solar Car Team

September 2016 – Apr 2017

Business and Electrical Team Member

Waterloo, Ontario

- Developed a working footer module for the newly launched team website using React
- Wrote bare metal firmware for custom driver control embedded systems with SPI protocol and C

Scentsation – A Junior Achievement Company

October 2015 – March 2016

Board of Director and Finance Team Member

Calgary, Alberta

- Managed company capital and return on investment projections through Excel worksheets
- Handled quality assurance on products by sourcing environmentally friendly product packaging

Education

University of Waterloo (September 2016 – present)

Waterloo, Ontario

- Candidate for Bachelor of Applied Science in Computer Engineering, Top 10 Rank
- President's Scholarship of Distinction for 98% entrance average with International Baccalaureate

Extracurriculars

- Multi-sport athlete including high school badminton team, club soccer and intramural futsal
- Partook in Waterloo EngHack and placed fourth at Waterloo Engineering Competition (Fall 2016)
- Nationally ranked in math competitions such as Euclid, Galois, Fermat, and Hypatia in high school