**Evan Takefman**

2A Computer Engineering | Student Number 20654227 | Phone 613-413-2972 | evan.takefman@gmail.com

**Summary of Qualifications**

* Experience with programming in C++, Java, Bash, AWK, Arduino and Processing gained through co-op experience, independent study and projects.
* Experience using Docker and virtual machines.
* Knowledge of hardware design from university coerces and independent learning through the Intel FPGA University Program.
* Knowledge of multiple computer operating systems including Windows 7, Windows 10 and Linux (Ubuntu, CentOS 7, Ubuntu Server).
* Able to work effectively in teams, as demonstrated by successful group projects and participation in sports teams.
* Strong leadership skills developed from coaching basketball and volunteering as a camp counsellor.
* Driven to gain more knowledge from school, employment, personal projects and extracurricular courses.

**Employment**

**2017** *Co-op student, Nanometrics Inc, Ottawa*

Programmed a Java tool on the “digitizer” to allow for remote application and deletion of firmware packages.

Ported a data stream receiving tool into a Docker container to work around dependency issues and allow for easy setup and use.

Developed a plotting script to display performance statistics gathered from devices.

Performed quality assurance tests on new firmware releases, and resolved software bugs found by the tests.

**2017** *Co-op student, Diablo Technologies, Ottawa*

Responsible for assembling and maintaining lab servers.   
Updated the Memory1 product’s manufacturing test scripts to increase their coverage and performed product validation.   
Created scripts for gathering and analyzing performance data of the Memory1 control software and applications, which allowed designers to better debug and analyze product performance. Designed and implemented a structured process to explore the configuration state space of the Memory1 software product and to execute and analyze benchmark applications to optimize the configuration parameters.

**2015** *Laboratory Assistant, Diablo Technologies, Ottawa*

Assembled servers, ensuring that all the components were connected properly and that cables were managed effectively.   
Performed laboratory and product inventories.

**Relevant Experience**

**Summer 2016** *DEEP Summer Academy (Electrical Engineering program), University of Toronto*

Worked in a team of students to assemble a heart rate monitor that used IR sensors, filter circuits that we created, a LCD and an Arduino Uno. We then programmed the software responsible for analyzing the heart rate data.

**Summer 2016** *Built a Gaming Computer*

Assembled a gaming computer and installed Windows 10, as well as Linux which I taught myself how to use.

**Winter 2016** *Sir Robert Borden High School*

Created a website for our high school with two other Grade 12 students using Google Sites.

**Summer 2015** *DEEP Summer Academy (Game Design program), University of Toronto*

Designed a game from the ground up in a team of students. My team coded a platforming video game that was selected as the best game by the program participants.

**Academic Awards**

**2016-2018** *1st Year Computer Engineering, University of Waterloo,*

Dean’s Honors List

Ranked 27 out of 260 in 1A

Ranked 34 out of 163 in 2B

**2015-16** *Sir Robert Borden High School, Ottawa*

Silver Medal (for achieving an average over 90%)

Proficiency Awards in Computer Science, Advanced Functions, AP Calculus & Vectors, Healthy Active Living Education (for the highest mark in each class)

Certificate of Participation, Euclid Contest

Certificate of Distinction, Canadian Senior Mathematics Contest

Certificate of Distinction, Canadian Computing Competition (Senior)

**Extracurricular Activities and Sports**

**Ongoing** University ofWaterloo basketball, soccer and volleyball intramurals

**2017** Residence experience guide at St. Jerome’s University, providing tours for students

**2015** Volunteer coach for Ottawa Shooting Stars House League, coaching a team of 13-year-old boys

**2013-16** Member of the Sir Robert Borden High School Bengals basketball team

**Ongoing** Downhill skiing