

Summary of Qualifications

- Experienced with HTML/CSS, JavaScript, Bootstrap, Git, Python, and OOP
- Familiar with AngularJS, Flask, REST, Heroku, Sass, C, and Java
- Learning MongoDB, Express, Node.js, Passport, Ruby on Rails, and C++
- Developed hands-on electronics expertise from experience in labs and competitions
- Excellent communication skills developed from experience presenting programs at the Ontario Science Centre
- Leadership and teamwork skills from time spent as a production leader on numerous high-profile live-performance events

Projects

- CampusWall** | Web App | MongoDB, AngularJS, Express, Node.js, Passport Jan. 2015 - Present
- An event hub for students to share and discover events on campus
- Splitter** | Web App | Bootstrap, Materialize, Sass Jan. 2015
- A webapp to split bills and receipts nonuniformly amongst friends
- LinAlg Toolkit** | Web App | Sass, AngularJS, JavaScript, Flask, Python Dec. 2014
- Reduces and provides properties of matrices
 - Complex number converter and calculator
- MolarFast** | Web App | AngularJS, JavaScript, Flask, Python Nov. 2014
- A molar mass calculator and temperature converter
- WatIsSubletting** | Web App | AngularJS, JavaScript, Flask, Python Nov. 2014
- Compares streams of Waterloo students to determine if they can sublet from each other
- pyAsteroids** | Native | Python, pyGame May 2013
- The classic arcade game Asteroids, written in Python using OOP

Extra-curricular Activities

- Bethune Electronics Club** | Founding Executive Sept. 2013 – June 2014
- Designed and built electrical and electronics projects for the school
 - Competed at the Skills Canada National Competition, finishing third in Canada
- Bethune Blaze Audio-Visual Productions** | President Sept. 2010 – June 2014
- Led productions for school and area events, including two annual talent shows
 - Toronto District School Board Nexus and Markham's Got Talent

Experience

- Ontario Science Centre** | Recreational Programs Assistant Sept. 2013 - Present
- Taught science to children and families in a fun and interesting way
- Blank's Media Group** | Editor-in-Chief Apr. 2012 – Present
- A media network that provides technology, gaming, and film content
 - Grew the network to over 400,000 views and 34,000 unique visitors
- Sir Ernest MacMillan Sr. P.S.** | Grade 7 and 8 Mentor/Instructor Sept. 2010 – June 2014
- Taught students the Scratch and App Inventor programming languages
 - Taught students the usage of professional sound and lighting equipment

Education

University of Waterloo

Sept. 2014 - Present

- Candidate for Bachelor of Software Engineering
- *Roles:* Engineering Society Director, Iron Warrior Copy Editor, Engineering Ambassador

Relevant Courses: Introduction to Methods of Software Engineering, Programming Principles

- Learned about memory management and pointers in C
- Developed project and time management methods and techniques

Dr. Norman Bethune C.I.

Sept. 2010 – June 2014

- Received OSSD and graduated with honours

Relevant Courses: Computer Science, Computer Engineering, Electronics Engineering

- Learned Object Oriented Programming techniques and methods in Java and Python
- Covered data types including linked lists, stacks, and queues

Achievements / Awards

Dr. Norman Bethune C.I.

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| • The A.B. Patterson Award for excellence in technological education | June 2014 |
| • The Edge Imaging Award for technical and academic excellence | June 2014 |
| • Highest Achievement Award, Grade 12 Computer Science | June 2014 |
| • Highest Achievement Award, Grade 11 Electronics Engineering | June 2013 |
| • Highest Achievement Award, Grade 11 Computer Science | June 2013 |

Skills Canada

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| • Bronze Medal, Skills Canada National Competition – Electronics | June 2014 |
| • Gold Medal, Ontario Technological Skills Competition - Electronics | May 2014 |
| • Gold Medal, TDSB Electronics Skills Competition | Mar. 2014 |
| • Silver Medal, TDSB Electronics Skills Competition | Mar. 2013 |

University of Waterloo

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| • President's Scholarship of Distinction | June 2014 |
| • Certificate of Distinction, Canadian Computing Competition (Senior) | Apr. 2014 |
| • Gold Standard, Waterloo Hypatia Mathematics Contest | June 2013 |

Educational Computing Organization of Ontario

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| • Semi-Finalist, ECCO Competition | Apr. 2014 |
| • Regional Finalist, TDSB/ECCO Programming Competition | Mar. 2014 |

Purple Comet! Math Meet

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| • First place in Canada, High Schools with 1-1200 students | Apr. 2014 |
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The Lifesaving Society

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| • CPR-C With Standard First Aid (Renewed Apr. 2014) | Apr. 2011 |
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Interests

- Hackathons, web development, baseball, badminton, environment and renewable energy, analytical writing, animated films, soundtracks, story-driven games