Deon Hua

deonhua.me
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Summary of Qualifications

- Experienced with Python, OOP, HTML/CSS, Bootstrap, Git, and JavaScript
- Familiar with AngularJS, C, Flask, Heroku, RESTful design, and Java
- Learning MongoDB, Express, Node.js, Passport, jQuery, Sass, 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
- A website where students can find and post events happening on campus

Personal Website | Website | HTML/CSS, Bootstrap, Materialize — Jan. 2015
- A personal website to showcase my projects

LinAlg Toolkit | Web App | HTML/CSS, Sass, AngularJS, JavaScript, Flask, Python — Dec. 2014
- Reduces and provides properties of matrices
- Complex number converter and calculator

MolarFast | Web App | HTML/CSS, AngularJS, JavaScript, Flask, Python — Nov. 2014
- A molar mass calculator and temperature converter

WatIsSubletting | Web App | HTML/CSS, 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, rewritten 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

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

Purple Comet! Math Meet
- First place in Canada, High Schools with 1-1200 students   Apr. 2014

The Lifesaving Society
- CPR-C With Standard First Aid (Renewed Apr. 2014)   Apr. 2011

Interests

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