

Zachary Hervieux-Moore

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Skills

Scripting: Python, Ruby, Bash

Programming: Java, C, assembly, VHDL, MATLAB

Web Development: HTML5, CSS3, JavaScript, MySQL

Web Frameworks: Django, Ruby on Rails, Bootstrap

Software: Microsoft Office, Puppet, Cadence Allegro Platform, Quartus II

Presentations: Delivered a three-hour crash course to 60 students. Pitched startup in front of hundreds of attendees at a variety of hackathons.

Awards & Accomplishments

- 4.12 GPA
- Queen's Principal's Scholarship
- Governor General's Award
- Invited to the Lloyd Auckland Invitational Mathematics Seminar
- Dean's List x 3
- Nellie & Ralph Jeffery Award in Mathematics x 2
- Edith Whyte Prize in Macroeconomics Theory
- The Annie Bentley Lillie Prize for outstanding achievement in Calculus

Proficient in many areas of advanced mathematics and electrical engineering such as signal processing, control theory, and statistical modeling. Keen interest in computer science and constantly keeping my skills at the bleeding edge. Whether it is a new web framework or a new efficient algorithm, I stay on top of the field. Continuously looking to apply my knowledge to the fields of economics and finance.

Education

Queen's University, Kingston, ON Expected May 2016

- Bachelor of Science Engineer, Mathematics and Engineering, Systems and Robotics Option
- Bachelor of Arts, Economics

Experience

Altera Corporation, San Jose, CA May 2014 to May 2015

Software/Hardware Engineer Intern

- Maintained and improved internal test infrastructure.
- Regularly coded Perl firmware and Django web applications. Automated the deployment of infrastructure using Puppet.
- Modernized the test infrastructure by upgrading the OS and refactoring code to utilize the latest stable release of various software packages.

Queen's University, Kingston, ON 2011 to 2016

Relevant Coursework

- Fourth year design project titled "Region Tracking in a Sequence of Images". Applied calculus of variations in order to achieve gesture recognition. Developed an application that converted webcam input from the user into computer commands.

Extracurricular Activities

- Cofounded Queen's Code the Change which connects programmers with charities to provide pro bono programming during a one day event.
- Tutored for Linear Algebra and Calculus II for first year engineering students. Also created a review packet for Calculus I and gave a three hour crash course.
- Attended multiple hackathons and startup summits where I took the role of lead developer or presenter depending on the composition of the team.