

## Education

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<b>Toronto, ON, Canada</b>	<b>University of Toronto</b>	<b>Fall 2010 – Present</b>
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- B.A.Sc in Computer Engineering, Expected graduation date: June 2015
- Cumulative GPA: 3.83 out of 4.0 (Dean's Honors List)
- Coursework: Distributed Systems, Operating Systems, Algorithms & Data Structure, Databases (SQL), Computer Networks, C++, Object Oriented Programming (OOP)

## Work Experience

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<b>Software Engineer Intern</b>	<b>Marin Software, San Francisco</b>	<b>May, 2013 - 2014 (1 year)</b>
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- Develop backend code in Java for Marin Software's Online Advertising Management Platform as part of the URL Builder pod including writing unit tests using JUnit and Mockito.
- Enhanced URL building features in the Marin App to support self-onboarding of customers.
- Reduced time and increased reliability to resolve data discrepancies by automating tracking URL validations for all the ads, which were previously done manually by the Professional Services team.

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<b>Software Engineer Intern</b>	<b>Next Mobile (Startup), Toronto</b>	<b>Summer 2012</b>
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- Designed & developed a Blackberry app for Electric Courage – the company's social networking app.
- Integrated Facebook and Twitter login, employed location services and API calls to company's server.
- Successfully built the app and published to the Blackberry App World at the end of the internship.

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<b>Computer Vision Research Intern</b>	<b>University of Augsburg, Germany</b>	<b>Summer 2012</b>
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- Researched on object detection and segmentation focusing on PASCAL VOC2012 dataset.
- Implemented visualization of the detection process using OpenCv on Matlab and Microsoft Visual C++ to debug and test the performance of the detector.
- Optimized the performance of the detector by 30%.

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<b>Engineering Intern</b>	<b>Pentamaster Technology, Malaysia</b>	<b>Summer 2011</b>
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- Designed automated quality-check stations, assembled CPUs, created backup files and installed OS.

## Technical Projects

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- **Tag-It Store, AngelHack Kuala Lumpur Hackathon** (2014). Created in 24 hours in a group of 5 an iOS e-commerce app for online shopping. Top 5 finalists among 50 teams. C#, Xamarin, iOS SDK.
  - **Distributed Multiplayer Mazewar Game** (2013). Decentralized multiplayer game with synchronization, no single point of failure and load balancing. Java.
  - **Mobile Polling App, Windows Phone 8 Hackathon at U of T** (2013). Created in less than 10 hours while volunteering, pitched and demoed to the panel of judges. Java, C#, Google Charts API.
  - **Operating Systems** (2012). Developed OS kernel: threads, processes, synchronization, scheduling, memory management and file systems on Harvard's OS161. C.
  - **Video Games on FPGA** (2011 - 2012). Super Mario Bros. and Bomberman. Verilog, C, Assembly.

## Co-curricular Activities

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- **Attendee**, Startup School 2013, Y Combinator
  - **Volunteer**, Windows Phone 8 Hackathon 2013, University of Toronto
  - **Member**, The Hacker Academy, University of Toronto (2011 - present)
  - **Webmaster**, Malaysian and Singaporean Students Association (2012 - 2013)

## Languages and Technologies

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- Java (self-taught), C, C++, Verilog, Assembly, Matlab, PHP, AngularJS, Javascript (prior experience)
  - Spring, Hibernate, JUnit, Mockito, Eclipse, SVN, Git, Blackberry SDK, Linux, UNIX, Mac OS

## Scholarships and Awards

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- **Faculty of Engineering In-Course Scholarship** (2010 - 2013): Average at least 85% in every term.
  - **German Academic Exchange Service Scholarship** (2012): Summer research position in Germany.
  - **Top project in Digital Systems course** (2011): 1 of the top 3 final projects out of 80 projects.