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Jian Wei Chuah

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Education

Toronto, ON, Canada **University of Toronto** **Fall 2010 – Present**

- 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).
- **Personal Development:** Udacity: Web Dev., Python. Coursera: Web App., Startup Engineering.

Work Experience

Software Engineer Intern **Marin Software, San Francisco** **May, 2013 - 2014 (1 year)**

- Developed 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 significant time and increased reliability in resolving data discrepancies by building an automated asynchronous tracking URL validation system that processes millions of ads daily.

Software Engineer Intern **Next Mobile (Startup), Toronto** **Summer 2012**

- 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.

Computer Vision Research Intern **University of Augsburg, Germany** **Summer 2012**

- Researched on object detection methods focusing on PASCAL VOC2007 Object Detection Challenge.
- Implemented visualizations for the object detection system using OpenCv, Matlab and Microsoft Visual C++ that enabled the evaluations of different detection methods.
- Optimized the overall object detection system by 30%.

Engineering Intern **Pentamaster Technology, Malaysia** **Summer 2011**

- Designed automated quality-check stations, assembled CPUs, created backup files and installed OS.

Technical Projects

- **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, Apache ZooKeeper.
- **Real Time Polling App, Windows Phone 8 Hackathon** (2013). 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

- **Attendee,** Startup School 2013, Y Combinator
- **Organizer,** 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

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

Scholarships and Awards

- **Top 5 finalists, Creative Business Cup Malaysia** (2014): Top business concept qualified to final.
- **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.