Tony Dong

4B Honours Computer Engineering
tonydong91@gmail.com

Skills Summary

Languages: C#, Java, Scala, C++, C, SQL, R, Matlab, Verilog, Assembly (M68K/ColdFire), Ruby, JS
Datastores: MySQL, PostgreSQL, Titan, Cassandra, memcached, Microsoft SQL Server
Interested In: Distributed Computing, Language Design, Data Mining, Machine Learning

Work Experience

Twitter   *(San Francisco, CA)*
Software Engineer, Trust and Safety Engineering   *Sept - Dec '13*
- Working on a service to report illegal media content to the authorities
- Building new tools and features for use by the Trust and Safety Team

University of Waterloo   *(Waterloo, ON)*
Undergraduate Research Assistant (Kshirasagar Naik, Ph.D., P.Eng.)   *May - Sept '13*
- Implementing automated processes to determine resource usage of applications in Android

CI Investments Inc.   *(Toronto, ON)*
Programmer Analyst, Unitholder Systems   *Sept - Dec '12*
- Redesigned and re-implemented a system used for providing transaction settlement instructions, and settlement confirmations to FundSERV Inc.

Picton Mahoney Asset Management   *(Toronto, ON)*
Software Developer   *May - Sept '11 & Jan - Apr '12*
- Designed and implemented WPF, and ASP.NET applications for financial analysis using C#
- Automated performance reports, with a robust application designed to facilitate future additions
- Worked on a Market On Close (MOC) price alert system to take advantage of bid-ask spreads
- Responsible for performance analysis, and optimization of existing applications

University of Waterloo   *(Waterloo, ON)*
Computing Assistant, Arts Computing Office   *Sept - Dec '10*
- Created and managed departmental websites using PHP, HTML, CSS, Javascript, and MySQL

Virtual Team Builders   *(Toronto, ON)*
Sales and Marketing Assistant   *Jan - Apr '10*

Projects

- Creating a "Music Graph Search Service" - Please Visit www.TryRhino.com
- Designing a facial recognition system for actor search on IMDb
- Designing an algorithmic swing trading strategy using Machine Learning concepts
- Developing a secure file sharing system that utilizes the Dropbox API
- Developed an algorithm to increase the number of Twitter followers - @TonyDong3

Education

Candidate for Bachelor of Applied Science, Honours Computer Engineering, Co-op
Program, University of Waterloo, Waterloo, ON, Sept 2009 — Apr 2014

Relevant Projects:
- Implemented a distributed file synchronization system using Java
- Created a cycle-accurate implementation of a MIPS processor using Verilog
- Designed an optimized WLAN simulator that implemented CSMA/CD as its MAC layer protocol
- Developed a Kirsch edge-detector circuit in VHDL
- Built a sound processing embedded C applications for a NIOS II processor on an Altera DE2 board