Tony Dong

4B Honours Computer Engineering
tonydong91@gmail.com

Skills Summary

General-Purpose: C#, Java, Scala, C++, C
Database: MySQL, PostgreSQL, Titan, Cassandra
Web: HTML5, CSS, JS, ASP.NET, PHP, XML, JSON
APIs: Twitter, Dropbox, Bloomberg, Last.fm
Statistical: Matlab, VB, Excel, R, SQL, Octave
Source Control: SVN, Git, Synergy
Interested In: Machine Learning, Distributed Systems, Algorithm Design, Data Mining, Image Processing

Work Experience

Twitter *(San Francisco, CA)*
Software Engineer, Trust and Safety Engineering *Sept - Dec '13*
- Worked on a service to report illegal media content to the authorities

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
- Implemented operating system concepts on a Keil MCB1768 Arm-based board running RL-RTX RTOS