

# Tony Dong

tonydong91@gmail.com

## Skills Summary

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**Languages:** Scala, Java, C#, C++, C, Python, Verilog, Assembly (M68K/ColdFire)

**Interested In:** Large Scale Distributed Systems, Datastores, Type Systems, Data Mining, Machine Learning

## Work Experience

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### Tellapart

(Burlingame, CA)

Platform Engineer

July '14 - Now

- Improving infrastructure to provide a service oriented architecture with strict latency requirements
- Provide base frameworks for building new applications/services at TellApart.
- Migration of identity system for audience targeting and real time bidding to lambda architecture

### Twitter

(San Francisco, CA)

Software Engineer, Trust and Safety Engineering

Sept - Dec '13

- Worked on a service for reporting illegal media content to the authorities
- Built 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

- Implemented processes to determine resource usage of applications in Android devices

### 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

### Virtual Team Builders

(Toronto, ON)

Sales and Marketing Assistant

Jan - Apr '10

## Projects

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- **Fourth Year Design Project:** Created a "Music Graph Search Service" - Please Visit [www.TryRhino.com](http://www.TryRhino.com)
- Developing a secure distributed file system built on top of Dropbox
- Developed an algorithm to increase the number of Twitter followers - [@TonyDong3](https://twitter.com/TonyDong3)
- **@TweetAGIF** - Hackathon Project that lets you Tweet GIFs at people: [Example Tweet](#)
- **School:** Created a cycle-accurate implementation of a MIPS processor using Verilog
- **School:** Designed an optimized WLAN simulator that implemented CSMA/CD as its MAC layer protocol
- **School:** Built a sound processing embedded C applications for a NIOS II processor on an Altera board
- Check out [Github/tonyd3](https://github.com/tonyd3) for more projects and my open source contributions

## Education

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### University of Waterloo

Bachelor of Applied Science, Honours Computer Engineering

Sept '09 - Apr '14

- Achieved **Outstanding** reviews on 6/6 co-op positions
- Graduated with **Distinction**