Jerry Jiang

2A Software Engineering

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github.com/tpcstld

Technical Qualifications

- **Languages:** Javascript, Java, C#, C++, C, Python, SQL, Visual Basic, VHDL, HTML, XML
- **Technologies:** Flask, Node.js, ASP.NET, Jekyll, NUnit, CGI, Java RMI, WPF, AJAX, Selenium
- **Tools:** Git, SVN, Vim, Eclipse, Visual Studio + ReSharper, Android Studio, IntelliJ IDEA, IDLE
- **Systems:** Windows, Linux, Android, Embedded Systems (Microcontrollers)

Work Experience

Desire2Learn Incorporated – Kitchener, Waterloo   April 2014 – August 2014
Software Developer

- Designed, implemented, and maintained new and existing features for webpages and products
- Collaborated with teammates to resolve over 40 performance, usability, and security issues
- Developed RESTful APIs and native applications to help a client manage 30000 metadata entries
- Wrote over 100 unit, integration, and UI tests with NUnit and Selenium

Projects

2048 Android App (ls.tpcstld.me/LZ5YTvpNy)

- A port of the 2048 puzzle game to Android
- Earned 40000+ downloads and 4.4 stars on Google Play

YouTube Downloader (ls.tpcstld.me/LQ8a2SYnw)

- A website that downloads YouTube videos in mp3 or mp4 format
- Tools: Python, jQuery, Foundation.js, CGI

Link Shortener (ls.tpcstld.me)

- A URL shortening service hosted on Google App Engine
- Tools: Python, Flask, jQuery, NDB

Audition Image Recognition

- An image recognition program to detect upcoming commands for the rhythm game Audition
- Tools: C++, OpenCV

Activities and Clubs

Midnight Sun Solar Race Car Team   Sept 2013 – Present

- Programmed for Midnight Sun's main microcontroller (Chaos) in C
- Interfaced with hardware I/O

Computer Science Club   Sept 2009 – June 2013

- Taught members algorithms (e.g. BFS) and data structures (e.g. queues) as President
- Participated in the CCC, ECOO, DWITE, and CASCON programming contests

Education

Candidate for Software Engineering   Sept 2013 – Present
University of Waterloo, Waterloo, Ontario

- Achieved a 95.5% cumulative average