Jiapei (Jack) Song

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Experience

Rails and Android Dev — Square • San Francisco — May 2016 - Aug. 2016

- Built and released a RESTful Rails application for voting, with image attachments
- Created BLE Beacon notifications and experimented with bluetooth compression
- Rewrote server for asset database - now with REST compliance and RSpecs
- Fixed and added widgets to mature JS and CSS library

Android Dev — Top Hat • Toronto — Sep. 2015 - Dec. 2015

- Principal developer for classroom engagement app with over 100,000 installations
- Managed successful releases, hotfixes, and improved Google Play rating
- Rewrote data handling architecture and improved websockets reliability
- Pioneered agile and coding practices for improved burndowns and sprint results

JS and C# Dev — Ultimate Software • Weston — Jan. 2015 - Apr. 2015

- Created an interactive, domain-specific web-scraper from scratch in JS
- Released Visual Studio extension for visualizing code dependency in libraries
- Hackathon award for D3.js based GUI for CI management
- Finalized AngularJS utility for tracking company-wide regression tests
- Experimented with parallel device testing and TeamCity continuous integration

.NET Web Dev — IBM Canada • Toronto — May 2014 - Aug. 2014

- Implemented feature to replicate and restart a full cloud deployment with data
- Worked in full-time team on enterprise scale features for a financial cloud application
- Full stack from front-end to SQL and cloud storage

Projects

Colorful Conway — Live Web App — Nov. 2015 - Dec. 2015

- Multiplayer websockets implementation of Conway's Game of Life with color mixing
- Learned Node.js, Express, Jade, and real-time interactive architecture

Arimaa Free — Android App — Dec. 2013 - Apr. 2015

- Board game mechanics with undos, replayable history, and move visualization
- 500+ installs on Google Play Store, managing feedback and bug reports
- Learning Android systems and basic program architecture/design patterns

Canadian Satellite Challenge — Embedded — Sep. 2013 - Apr. 2014

- Designed a hardware and software system for satellite handling and data operations
- Competed nationally on a self-directed student team

Languages

Java
JavaScript
Ruby
C#
C++
SQL

Tech

Android
Rails
jQuery
React
Node.js

Education

U. of Waterloo
Software Eng.
~90% Avg.
Honors List

Interests

Rock Climbing
Digital Painting
Sketching
Guitar
Judo