Jiapei (Jack) Song

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Languages

Java
Javascript
C#
C++
SQL
HTML
CSS
Python
C

Technologies

Android
JQuery
Node.js
D3.js
.NET
Chrome Exts.
Angular.js
Swing

Tools

Android Studio
Visual Studio
Crashlytics
Git, TFS, SVN
Eclipse
TeamCity
Jira
Microsoft Azure

Interests

Rock Climbing
Digital Painting
Sketching
Guitar
Judo

Experience

Android Developer   Top Hat • Toronto • Ontario   (Sep. 2015 - Present)

- Main Android developer for an education app with over 100,000 installations
- Managed successful releases, hotfixes, and improved Google Play rating
- Rewrote data handling architecture for new APIs and improved websockets reliability
- Tracked user activity for product analysis and problem diagnostics
- Improved agile and coding practices for better team burndowns and sprint results

JS and C# Developer   Ultimate Software • Weston • Florida   (Jan. 2015 - Apr. 2015)

- Implemented an interactive, domain-specific web-scraper from scratch in Javascript
- Released Visual Studio extension for code dependency visualization and analysis of DLLs
- Won company hackathon for Technical Ingenuity with a tool for visual construction of continuous integration pipelines
- Released central utility for tracking company-wide regression tests using Angular.js
- Experimented with parallel device testing and TeamCity continuous integration

.NET Web Developer   IBM Canada • Toronto • Ontario   (May 2014 - Aug. 2014)

- Implemented feature to replicate and restart a full cloud deployment with data
- Worked in a full-time dev team of 10, with QA, on enterprise scale features for a financial cloud application
- Full stack development from front-end frameworks to SQL databases and cloud storage

Projects

Colorful Conway • Web App   (Nov. 2015 - Present)

- Node.js and websockets implementation of Conway's Game of Life with colors
- Learning the basics of Node, Express, Jade, and designing real time interactive web apps

Arimaa Free • Android App   (Dec. 2013 - Present)

- Port of a chess-like board game
- Pushed multiple releases on Google Play Store, managing feedback and bug reports
- Learning Android systems and basic program architecture/design patterns

Canadian Satellite Design Challenge • Control and Data Infrastructure   (Sep. 2013 - Present)

- Designing and programming an embedded software system for satellite operations
- Organizing communications and processing data on Linux, including Google Protocol Buffers
- Competing nationally on a self-directed student team

Education

Bachelor of Software Engineering Candidate • University of Waterloo