Daocheng Wang(Jasper)

3A Computer Science
Developer, Gamer, Challenger

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Summary of Qualifications

- Professional experience in iOS and tvOS: Xcode, Obj-C, Swift, Cocoa-pods, SpriteBuilder, Fabric
- 2 years experience in web app development: Java, Spring, JSP, JS, ExtJS, AngularJS, jQuery, HTML, CSS, Bootstrap, SQL Server, and Oracle
- Working knowledge in C/C++/Scheme/Linux/Bash gained through university studies
- Proficiency in tools including Charles, Tomcat, Eclipse, Maven, Ant, Gradle, Git, SVN, CVS, Jenkins
- Enhanced corporate and communication skills developed through co-op experience
- Strong time management skills and self-discipline: keep overall GPA above 85% all the time

Work Experience

Sept 2015 - Dec 2015
iOS Developer, *Digiflare Inc.*, Toronto, ON.
- Fixed bugs, implemented new features, and deployed iOS Apps including TSN GO, CTV News, CP24
- Integrated company's projects into internal cocoa-pods to be used by Digiflare Inc.'s other projects
- Collaborated with design team and built a tvOS demo App for Charter Spectrum

Jan 2015 - May 2015
Application Developer, *Bank of America Merrill Lynch*, Toronto, ON.
- Involved in full-stack web application development
- Built a facebook-like timeline web application for clients to see clients' change logs
- Developed a web application to show graphically the average sql query execution time in different periods, and send alert emails to our team whenever execution time of a query exceeds a limit

Projects

Dec 2015 - present
Swift tvOS Demo, `https://github.com/AttackOnJasper/swift-tvOS-demo`.
- Built a video-playing app with selections of different channels.
- Integrated AVPlayer SDK and TopShelf tvOS extension.

Oct 2015 - present
DWChromecast Cocoa-Pod, `https://github.com/AttackOnJasper/DWChromecast`.
- Developed a Google-Cast-SDK extension as an Objective-C cocoa-pod.
- Implemented low-level GoogleCast operations and provided users the high-level abstraction to work with.

Mar 2015
IOS Calculator, `https://github.com/AttackOnJasper/MyCalculator`.
- Developed the calculator using Swift with memory storage enabled(MC, MR, M+).
- Enabled auto-layout on different devices

Dec 2014
C++ Game: Chamber Crawler, `https://github.com/AttackOnJasper/ChamberCrawler`.
- Collaborated with a partner to simulate the Dungeons with linux-based UI
- Used Ncurse library, X11, and implemented design patterns including factory, visitor, and observer.
- Added AI system: monster bot chasing mechanism

Education

Sept 2013 - present
Candidate for Bachelor of Computer Science Co-op, Double Minors in Cogitive Science and Psychology, *University of Waterloo*, Waterloo, ON.

Related courses: OOP, Algorithms, OS, Data Structures and Abstractions, Compiler

University of Waterloo Dean's Honours List, *both 2013 Fall Term and 2014 Winter Term.*