Daocheng (Jasper) Wang

4A Computer Science

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Summary of Qualifications

- 4 years of web development work experience: Java, Hibernate, Play framework, Spring, MySQL, Oracle, AngularJS, NodeJS, ExtJS, Vue.js, jQuery, JSP, HTML, CSS, Bootstrap, Soy template
- Professional experience in iOS and tvOS development: Obj-C, Swift, Cocoa-pods, SpriteKit
- Advanced knowledge in C++, Python, C, Bash, OpenGL gained through university studies
- IDE/Tools: IntelliJ, Xcode, Git, Tomcat, Maven, Cap'n proto, Charles, Bazel, Postman, RabbitMQ

Work Experience

Jan 2018 - Present
Software Development Engineering Intern, Amazon, Toronto, ON.
- Built a full-stack project for vendor managers and our team to search and manage various vendor shipping addresses and contacts; technologies included Spring framework, Vue.js, Coral framework, and DynamoDb.

Sept 2017 - Dec 2017
Software Engineering, Yext, New York, NY.
- Implemented various full-stack products and APIs in Yext's social and review services with technologies including Play framework, RPC services, Soy template, MySQL, Protocol buffers, and RabbitMQ.
- Created a web service to allow partner businesses to add custom filters for first party reviews.
- Built a server-side application to process consumer review invitation requests and then make requests to third-party apps to send push notifications to consumers.

Jan 2017 - Apr 2017
Full-Stack Software Engineer, Aetion Inc., New York, NY.
- Built a **multi-threaded** web service 'Descriptive Stats', which analyzes db data shards and shows summarization charts and tables for different categories of patients' data.
- Refactored company's code base to boost performance, participated extensively in production bug fixing, and added thorough unit tests.

May 2016 - Aug 2016
Mobile iOS Engineer, IBM, Toronto, ON.
- Built an Enterprise iOS App for a Germany client using Swift powered by Apple + IBM alliance.
- Participated in the whole SDLC including UI/UX design, development, testing, and maintenance.

Sept 2015 - Dec 2015
iOS Developer, Digiflare Inc., Toronto, ON.
- Was in charge of maintaining and developing new features for iOS apps including TSN, CTV News, CP24.
- Integrated and refactored code base into internal cocoa-pods to be re-used by other projects.

Jan 2015 - May 2015
Full-Stack Application Developer, Bank of America Merrill Lynch, Toronto, ON.
- Made a timeline web application for clients to see clients' account change logs.
- Built a web app showing sql execution times in time series and send alert emails when a query reaches TLE.

Projects

Jan 2016 - Dec 2016
Syndetic Assistance Processes (Undergraduate Research Assistant Project), `https://cs.uwaterloo.ca/~jhoey/research/snap/index.php`.
- Worked on a smart home system defined by SNAP POMDP (reinforcement learning) to communicate with sensors' data and help people with memory disorders perform daily tasks including hand washing.
- Built an Android app to use bluetooth to stream Shimmer sensor devices' data and send HTTP requests to server every 3 seconds about orientation of the users.

Oct 2015 - Dec 2015
DWChromecast Cocoa-Pod, `https://github.com/AttackOnJasper/DWChromecast`.
- Developed a Google-Cast-SDK extension as an Objective-C cocoa-pod.
- Encapsulated low-level GoogleCast operations and provided users with high-level abstractions and interfaces.

Education

Sept 2013 - present
Honours Bachelor of Computer Science candidate, Double Minor in Cognitive Science and Psychology. Class of 2018 (expected) GPA: 84%, *University of Waterloo*, Waterloo, ON.

Related courses: OS, Algorithm, Concurrency, AI, OOP, Data Structure

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