

Summary of Qualifications

- 3 years of Web development experience: **Java**, Spring, Hibernate, JSP, PHP, HTML, ExtJS, AngularJS, jQuery, MySQL, Oracle, CSS, Bootstrap
- Professional experience in iOS and tvOS: Obj-C, Swift, Cocoa-pods, SpriteKit, Core Data
- Advanced knowledge in **C++/C/Python/Bash/OpenGL** gained through university studies
- Expertise in IDEs and tools including IntelliJ/CLion/Xcode/Tomcat/Maven/Git/Vim/Emacs/Jenkins
- Strong time management skills and self-discipline: keep overall GPA above 82% all the time

Work Experience

- Jan 2017 **Full-Stack Software Engineer**, *Aetion Inc.*, New York, NY.
- Apr 2017
- Implemented a **multi-threaded** feature 'Descriptive Stats', which analyzes data shards and shows summarization of patients' data with charts and tables. By making the web-app platform much more accessible to customers with better UI/UX and performance, the feature has got 90% positive feedback from clients.
 - Refactored company's code base to boost performance and added thorough unit tests if applicable.
 - Participated extensively in production bug fixing by checking Jenkins job logs and server logs.
- May 2016 **Mobile iOS Developer**, *IBM MobileFirst Team*, Toronto, ON.
- Aug 2016
- 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.
 - Developed various new features and fixed many high priority defects.
- Sept 2015 **iOS Developer**, *Digiflare Inc.*, Toronto, ON.
- Dec 2015
- Was in charge of maintaining and developing new features for mobile apps including TSN, CTV News, CP24.
 - Integrated and refactored code base into internal **cocoa-pods** as dependencies for other projects.
 - Collaborated with design team and built a tvOS demo App for the client Charter Spectrum.
- Jan 2015 **Full-Stack Application Developer**, *Bank of America Merrill Lynch*, Toronto, ON.
- May 2015
- Made a timeline web application for clients to see clients' account change logs.
 - Developed a web application to show graphically the average sql query execution time within a period and send alert emails to our team whenever a query reaches TLE.

Projects

- Jan 2016 **Syndetic Assistance Processes (Undergrad Research Assistant Project)**, <https://cs.uwaterloo.ca/~jhoey/research/snap/index.php>.
- Dec 2016
- Implemented a small application which allows a system defined by a SNAP POMDP to communicate with Vera controller sensors in order to assist a user with completing a kitchen-related task.
 - Integrated Shimmer sensor devices' data into original Vera controller system.
- Jul 2016 **Offline Banner Demo**, <https://github.com/AttackOnJasper/SampleOfflineBanner>.
- Developed a Swift iOS App demonstrating how to test real-time network connectivity.
 - Designed a floating banner that notifies a user whenever the user is offline.
- Oct 2015 **DWChromecast Cocoa-Pod**, <https://github.com/AttackOnJasper/DWChromecast>.
- Dec 2015
- 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 **Candidate for Bachelor of Computer Science Co-op, Double Minor in Cognitive Science and Psychology**, *University of Waterloo*, Waterloo, ON.
- present
- Related courses: OS, Algorithm, Concurrency, AI, OOP, Data Structures
- University of Waterloo Dean's Honours List**, both 2013 Fall Term and 2014 Winter Term.