

Summary of Qualifications

- Professional experience in **iOS** and tvOS: Obj-C, Swift, Cocoa-pods, SpriteKit, Core Data
- Three years of **web** development experience: Java, Spring, JSP, PHP, HTML, JS, ExtJS, AngularJS, jQuery, SQL Server, Oracle, CSS, Bootstrap
- Advanced knowledge in C/C++/Python/Bash/OpenGL gained through university studies
- Proficient in tools including Charles/Tomcat/Maven/**Git**/SVN/Vim/Emacs/Jenkins
- Strong time management skills and self-discipline: keep overall GPA above 82% all the time

Work Experience

- May 2016 **Mobile iOS Developer**, *IBM Canada Limited*, Toronto, ON.
- Aug 2016
- Built a management iOS App for a Germany client using **Swift**
 - Participated in the whole SDLC including design, sprint planning, patch release, maintenance
 - Developed various new features and fixed hundreds of defects
- Sept 2015 **iOS Developer**, *Digiflare Inc.*, Toronto, ON.
- Dec 2015
- Fixed bugs, implemented new features, and deployed **Obj-C** 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 **Full-stack Application Developer**, *Bank of America Merrill Lynch*, Toronto, ON.
- May 2015
- Built a 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

- Jul 2016 **Offline Banner Sample**, <https://github.com/AttackOnJasper/SampleOfflineBanner>.
- Developed an iOS App demonstrating how to test **real-time network** connectivity
 - Implemented a banner to notify the user whenever the user is offline
- Jan 2016 **Syndetic Assistance Processes (Undergrad Research Assistant Project)**, <https://cs.uwaterloo.ca/~jhoey/research/snap/index.php>.
- Apr 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
- Dec 2015 **Swift tvOS Demo**, <https://github.com/AttackOnJasper/swift-tvOS-demo>.
- Jan 2016
- Built a video-playing app with selections of different channels.
 - Integrated AVPlayer SDK and TopShelf tvOS extension.
- Oct 2015 **DWChromecast Cocoa-Pod**, <https://github.com/AttackOnJasper/DWChromecast>.
- Dec 2015
- 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.

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.