

## Summary of Qualifications

LANGUAGES: Java, JavaScript, C++, Scala  
TOOLS AND TECHNOLOGIES: Cassandra, RxJava, React, Buck, Node.js, Redis, Git, Mercurial

## Professional Experience

**Facebook** Software Engineering Intern  
Menlo Park, CA January – April 2017

- Implemented robust Java code diagnostics for [Nuclide](#), enabling Java editing support for massive projects with over 60,000 source files.
- Engineered and developed Nuclide's Java type resolution mechanism, which was capable of handling source code files with more than 10,000 transitive dependencies.
- Added partial rendering to the Nuclide console, increasing the number of entries that could be retained in the user interface by 20 times.

**Apple** Software Engineering Intern  
Cupertino, CA May – August 2016

- [Contributed to Apache Cassandra](#) to improve disaster recovery across data centers.
- Improved Cassandra timeout enforcement and introduced custom per-query timeouts
- Enhanced Cassandra error handling to enable error propagation from replica nodes to clients.

**Coursera** Software Engineering Intern  
Mountain View, CA January – April and September – December 2015

- Developed a near real-time course tracking tool by leveraging Scala, Kafka, and JavaScript with React—providing an aggregate view of over 1700 courses on Coursera.
- Utilized Scala and JavaScript with React to build a suite of administrative course editing tools end-to-end, replacing legacy tools that lacked comprehensive validations.
- Engineered robust course authoring tools using React and Flux that were made available to over 100 Coursera partner institutions.
- Built the front end for an instructor to learner mass email communication tool. This tool has been used to send out over 800,000 emails.

**Milq** Full Stack Software Engineering Intern  
Toronto, ON May – August 2014

Milq is a social network aimed at organizing playable content with over 10,000 registered users.

- Developed the tag page—an aggregation of content about a specific hashtag.
- Engineered scalable data API endpoints in Node.js using Redis and MongoDB to deliver matched content to the tag page. (Read more here: [milq.com/beat/milq-blog/29](http://milq.com/beat/milq-blog/29))

## Awards

- University of Waterloo Engineering Faculty First in Class Award May 2017
- Wish Scholarship January 2016
- University of Waterloo Engineering Faculty Upper Year Scholarship May 2015
- Toronto District School Board Top Scholar (Highest Graduating Average) July 2013
- Software Engineering Entrance Scholarship, University of Waterloo June 2013
- University of Waterloo President's Scholarship of Distinction June 2013

## Education

**Candidate for Bachelor in Software Engineering (BSE)** 2013 – 2018 (expected)  
University of Waterloo Waterloo, ON

- 95% Cumulative Average, Dean's Honors List