

SHANE CREIGHTON-YOUNG

University of Waterloo · Computer Science

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Summary of Qualifications

- Skilled at producing correct, efficient, and maintainable code in independent and cooperative settings
- Enthusiastic, respectful, and supportive with excellent leadership and cooperative skills
- Proficient in Java, Objective-C, C, C++, L^AT_EX, Bash and Python scripting
- Two years experience developing native mobile applications on the Android and iOS platforms

Work History

Product Management & Software Engineering Intern

RelateIQ, a Salesforce.com company (January 2015–April 2015)

- Extracted and summarized user data from PostgreSQL database with SQL and HDFS cluster with pig
- Performed analysis on a vast number of competing mobile applications
- Synthesized findings into insightful presentations and notes
- Built feed of heterogenous text and image content into backend and Android application; includes features such as infinite scroll, smooth animations, remembers where you left off
- Coordinated functional, design, and scalability requirements with executives, iOS team, designers, and systems team

Software Engineering Intern

Endemic Mobile Inc. (September 2013–April 2014)

- Worked at a venture-backed startup as one of a 4-person elite engineering team (ex-Google/Amazon) building and launching major features to hundreds of thousands of users
- Independently developed Vine-style video camera on the Android platform using native AV libraries, planning for and managing potential device fragmentation issues throughout the release process
- Implemented several responsive, cross-platform features on iOS and Android including customizable promotional photo generation and sharing, “favourite GIFs” section on public user profiles
- Led iOS app redesign: implemented design specs, refactored UI framework, and designed animations
- Responded to and fixed bugs on iOS and Android relating to UI and concurrency

Projects

Co-Founder

QK Labs (November 2014–Present)

🔗 (Android app on Google Play) <https://play.google.com/store/apps/details?id=com.moez.QKSMS>

- QKSMS is a beautiful and modern texting app with over 100k downloads and 10k daily active users
- Joined post-validation to build improvements to MMS to correctly send, receive, and display picture messages for more phones and carrier types
- Worked with partner to create marketing strategies, manage support email, write play store listing
- Established systems to improve quality such as code reviews, issue tracking, crash reporting, and support email

Product Manager & Software Engineer

Hack the North (July–September 2014)

🔗 (Android Application) <http://github.com/hackthenorth/hackthenorth-android>

🔗 (Backend Scripts) <http://github.com/hackthenorth/mobile-backend>

- Architected, developed, and managed native apps and a backend system for a 1000+ attendee event
- Partnered to develop the Android application, which includes realtime updates, searchable mentors list, contact functions, and beautifully designed animations, following new Material design guidelines
- Built notifications system, allowing non-technical staff to deliver realtime updates to attendees

Education

University of Waterloo Waterloo, ON, Canada · Candidate for Bachelor of Computer Science (Honours)
September 2012–present · CAV: 86.1% · Computer Science CAV: 89.8% · Selected Coursework:

Computer Science Foundations of Sequential Programs · Data Structures and Data
Management · Object-Oriented Software Development · Designing Functional Programs ·
Elementary Algorithm Design and Data Abstraction

Honours, Awards, and Achievements

- Won 4th place in the University of Waterloo CS 241 compiler optimization contest in Summer 2014
- Awarded “Excellent” standing at the International Barbershop Choral Festival in January 2012
- Awarded 6th place at 2010 Ontario Amateur Wrestling Association Cadet National Tournament

Hobbies and Interests

- Easily delighted by meaning, language, philosophy, craft beer, and scotch whiskey