

# SHANE CREIGHTON-YOUNG

University of Waterloo · Computer Science

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## Summary of Qualifications

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

## Work History

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### Product Management & Software Engineering Intern

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

- Built feed of heterogeneous 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
- Extracted and summarized data from SQL database and HDFS cluster with pig
- Performed analysis on a vast number of competing mobile applications
- Synthesized findings into insightful presentations and notes

### 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

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### 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 channels, write play store listing
- Established systems to improve quality such as code reviews, issue tracking, crash reporting, and support email
- Improved various aspects of the application including performance of conversations loading and MMS configuration flow

### 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

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**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

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- 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

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- Let  $x \in \{\text{meaning, language, logistics}\}$ ,  $y \in \{\text{craft beer, scotch whiskey}\}$ ,  $z \in \{\text{campfires, armchairs}\}$ , and  $w \in \{\text{smart people, new people, people who were new a long time ago}\}$ . I feel best when I’m talking about  $x$  with  $w$  while drinking  $z$  at a place with  $y$ .