SHANE CREIGHTON-YOUNG

University of Waterloo · Computer Science

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Demonstrated Qualifications

- Quickly learns new technologies in order to deliver excellent product features
- Skilled at producing correct, efficient, and maintainable code in independent and cooperative settings
- Enthusiastic and supportive with excellent product management and communication skills
- Proficient in Java, Objective-C, C, C++, Racket / Lisp; familiar with Bash and Python scripting
- Two years experience developing native mobile applications on the Android and iOS platforms

Work History

Google
Software Engineering Intern (September 2015–December 2015; 4 months)
- Performed large scale refactoring in critial C++ Gmail & Inbox notifications infrastructure code
- Reviewed code, helped ensure adequate test coverage, contributed to design decisions

SalesforceIQ
Product Management & Software Engineering Intern (January 2015–April 2015; 4 months)
- Performed competitive and rudimentary data analysis and synthesized findings into presentations
- Built content feed into backend and Android application including features such as infinite scroll, smooth animations, "remembers where you left off"
- Coordinated functional, design, and scalability requirements of content feed project with iOS, design, systems and executive teams

Relay GIF Messenger (Endemic Mobile Inc.)
Software Engineering Intern (September 2013–April 2014; 8 months)
- 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, "favorite 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

Hack the North, Canada's Largest Hackathon
Mobile Product & Engineering Lead (January–September 2015; July–September 2014; 12 months)
- Hack the North is Canada's largest hackathon, a world-class 6-figure budget event where 1000 college students from 6 continents come to create things for fun and profit and glory
- Designed and coordinated development of product features in iOS and Android native applications including realtime mentor ticketing system and push notification event announcements
- Led team of as many as 8
- Performed important managerial tasks such as issue triaging, breaking down and assigning development tasks, 1-on-1s, weekly updates, and promoting a culture of respect and civility when expectations aren't met

QK Labs / QKSMS

Jack of All Trades (November 2014–May 2015; 6 months)

    🔗 (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 over 10k daily active users
- Measurably improved various aspects of the application including performance of conversations loading and MMS configuration
- Established systems to improve quality such as code reviews, issue tracking, crash reporting, and support email
- Worked with partner to create marketing strategies, manage support channels, write play store listing

Education

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

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

    Mathematics Introduction to Graph Theory and Enumeration

Honors, Awards, and Achievements

- Won weekly "Dare to be Great" product excellence award at SalesforceIQ in April 2015
- 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 Canadian Cadet National Wrestling Tournament

Hobbies and Interests

- Philosophy of language, mind, knowledge (i.e. epistemology), mathematics, ethics, sex / love
- Craft beer (I like pale and english ales) and scotch (Lagavulin 16 is my favorite)
- Existential literature e.g. from Nietzsche, Dostoyevsky, and to some extent contemporary fiction such as *The Magicians* by Lev Grossman
- Budding interests in linguistics, photography, film critique, investing, and writing