

# Jonathan Almeida

Android ★ Python ★ Git ★ C/C++

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, Javascript, Rust, Bash, Qt/QML
- **Frameworks & Other:** Firebase, Parse, NodeJS, MySQL/SQLite

## GITHUB PROJECTS

- **jonalmeida/AutoTaxi (private)**
  - A self-driving fleet of cars that use A\* to navigate through the streets of a small world.
- **jonalmeida/ws-p2p**
  - Peer-to-peer network with causally ordered messages using WebSockets with Rust.
- **vicinium/vicinium-android**
  - A micro location-based chat application for Android; like IRC, but location-based.
- **jonalmeida/hack-the-north-crazyflie**
  - Micro-quadcopter controlled with a Leap Motion controller.

## PROFESSIONAL EXPERIENCE

- May. 2016 - **Firefox Mobile Intern, Mozilla, San Francisco.**
- Aug. 2016
  - Designed and created a tab grouping app (demo) for prototyping using machine learning.
  - Developed custom layouts for the homescreen in Firefox for Android to show user activity (image).
  - Helped organize and attended a Design Sprint for location-based prototyping.
  - Technologies got to work on: Android, Python
- June. 2015 - **Firefox Mobile Intern, Mozilla, San Francisco.**
- Sept. 2015
  - "Click-to-view images" in Firefox for Android to reduce bandwidth usages (onboarding image).
  - Setup a remote device farm for accessing un-used devices for a team spread across multiple offices.
  - Converting Quick Search ListView for more performant RecyclerView.
  - Technologies got to work on: Android, Javascript
- May. 2014 - **Software Developer Intern, Snowplow Analytics Ltd.**
- Aug. 2014
  - Created and modularized the Java event tracker; released multiple version updates.
  - Released the iOS and Android trackers, inheriting from the Java core library.
  - Managed and prioritized feature release schedules on GitHub; CI integration, etc.
- May. 2013 - **Software Developer Intern, BlackBerry Ltd.**
- Dec. 2013
  - Single-handedly developed the Notification Settings in Qt (not usually reserved for internship developers).
  - Worked with QA and product teams to re-architecture to the new Settings UI requirements.
  - Implemented deep linking for third-party applications to link to their Settings UI.
  - Created a Jenkins automation build machine to run with Google Test test cases for it.
- May. 2012 - **Software Test Developer Intern, BlackBerry Ltd.**
- Dec. 2012
  - Primary support for remote QA team with issues they would encounter during their testing.
  - Investigation and verification into issues seen on an infrastructure level of development.
  - Mentored junior co-ops on a daily basis with all the above mentioned tasks.
  - Received an employee recognition award for working in multiple war rooms with other teams.
- Aug. 2011 - **I.T. Services Help Desk, University of Windsor.**
- Apr. 2012
  - Provided support for installation as well as solving technical issues over the phone or remotely.

## OTHER PERSONAL PROJECTS

- Held workshops for introductions to Git/version control.
- Technical Reviewer for Global Hackathon Seoul (reviewed 1000+ global applicants).
- Mentored at various hackathons: McHacks, WearHacks, UofTHacks, HackWestern, etc.

## EDUCATION

2016 **Bachelors of Science, Computer Science, University of Windsor.**