Tyler Adams

2B Computer Engineering | www.dare.io | www.github.com/tjadams
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SKILLS

Languages: Java, C++, C#, Lua, Android, Node.js, ARM assembly
Development methods: Agile development, Test-driven development
Tools: IntelliJ, Android Studio, CLion, WebStorm, Git

WORK EXPERIENCE

Software Engineering Co-op **Kitchener, ON** **January 2015 – April 2015**
Thalmic Labs

- Created a multi-platform transparent overlay that does not interfere with user input. This overlay was the foundation for a new software product called "Myo for Presentations"
- Developed and implemented tools that collect usage data using JSON, C++ and Objective-C
- Prototyped multiple Lua scripts to control presentation apps with Myo

Mobile Developer Intern **Toronto, ON** **May 2014 – August 2014**
Rogers Communications

- In under a week, independently built the first Rogers Google Glass prototypes including a Sportsnet app where users can lookup scores, watch videos and listen to Sportsnet radio
- Upgraded all 20 radio and news Android apps with an audio player that supports HLS streams

PROJECTS

"Dropboxed" **March 2015**
Identified and validated Dropbox vulnerabilities in a non-malicious way by creating a Java app.

- Discovered vulnerabilities in Dropbox APIs that allowed for free infinite storage space
- Reported this issue to Dropbox via HackerOne and proposed potential solutions
- Developed at a 36 hour hackathon called Hack Western

"Produce" **January 2014**
Android app that restricts interaction with user-selected apps in order to increase productivity.

- Created and implemented an algorithm to read Android logs for Activity information
- Designed the log-reading algorithm to use minimal system permissions
- Available for download on the Google Play app store

"babystep.me" **February 2015**
Android app that uses a self-improvement planner to raise users' confidence.

- Created and implemented an algorithm to develop a user's comfort zone based on what activities the user would be willing to participate in
- Implemented a database of activities which have their own unique properties using Firebase
- Wrote an algorithm to rank activities based on whether users would participate in them or not
- Developed at a 36 hour hackathon called McHacks

EDUCATION

University of Waterloo **Waterloo, ON** **Expected June 2018**
Bachelor of Applied Science – Computer Engineering

- Selected courses: Data Structures & Algorithms, Operating Systems, Embedded Systems