Tyler Adams

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

Java, C++, C#, Lua, Android, Node.js, ARM assembly, Agile paradigm, Test-driven development

HACKATHONS

Hack Western   **London, ON**   **March 2015**

"Dropboxed"
- Discovered vulnerabilities in Dropbox APIs that allowed for free infinite storage space
- Validated vulnerabilities in a non-malicious way by creating a Java app
- Reported this issue to Dropbox via HackerOne and proposed potential solutions

McHacks   **Montreal, QC**   **February 2015**

"babystep.me" Android app with Firebase.
- Created algorithms that helped to raise users' confidence through a self-improvement planner

PROJECTS

"Produce"   **January 2014**

Android app that restricts interaction with user-selected apps. Available on Google Play.
- Created and implemented an algorithm to read Android logs for Activity information
- Designed the log-reading algorithm to use minimal system permissions

Dedicated Online Server   **Summer 2014**

Coded a login server to emulate a discontinued computer game using Node.js and SQL.

Robotic Arm   **March 2015**

Developed algorithms to mirror a human arm using servos and an Arduino.

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

EDUCATION

University of Waterloo   **Waterloo, ON**   **Expected June 2018**

Bachelor of Applied Science – Computer Engineering
- Related courses: Data Structures & Algorithms, Operating Systems, Embedded Systems