

# Tyler Adams

2B Computer Engineering | [www.dare.io](http://www.dare.io) | [www.github.com/tjadams](http://www.github.com/tjadams)  
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## SKILLS

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*Programming:* 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

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**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

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**“Dropboxed”**                      **Hack Western**                      **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”** - <https://goo.gl/rbNhvc>                      **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

**“BabySteps”** - <http://git.io/vk6kS>                      **McHacks**                      **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

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

*Bachelor of Applied Science – Computer Engineering*

- *Relevant courses:* Data Structures & Algorithms, Operating Systems, Embedded Systems