

# Tyler Adams

2B Computer Engineering | [www.dare.io](http://www.dare.io) | [www.github.com/tjadams](http://www.github.com/tjadams)  
[tjadams@uwaterloo.ca](mailto:tjadams@uwaterloo.ca) | Waterloo, ON

## SKILLS

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**Skills:** Java, C++, C#, C, Objective-C, Lua, Android, Node.js, ARM, MATLAB, Agile paradigm, TDD

## WORK EXPERIENCE

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### Software Engineering Co-op

**Kitchener, ON**

*Thalmic Labs*

January 2015 – April 2015

- Created a multi-platform transparent overlay for Mac and Windows that is full screen, always on the top view of the screen, does not interfere with the user's ability to click or type, and can have images drawn on top of it
- Developed and implemented analytics tools using C++ and Objective-C in a new software product which can be viewed at <http://presentationsblog.myo.com/meet-myo-for-presentations/>
- Prototyped several Lua scripts to control presentation apps with Myo
- Key contributor to weekly releases while on a team of 5 engineers at a Y Combinator backed startup

### Mobile Developer Intern

**Toronto, ON**

*Rogers Communications*

May 2014 – August 2014

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

## HACKATHONS

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### Hack Western

**London, ON**

*"Filespace" web app with Java server* <http://git.io/vk6I9>

March 2015

- Got infinite storage in Dropbox by creating an algorithm that connects loopholes in their APIs
- Unified Dropbox and Google Drive into one user interface and combined their storage space to achieve infinite online storage in an additional way

### McHacks

**Montreal, QC**

*"babystep.me" Android app with Firebase* <http://git.io/vk6kS>

February 2015

- Broadened user's comfort zones over time with the help of algorithms that also improve over time

**More info can be found here:** <http://ca.linkedin.com/pub/tyler-adams/85/544/a55>

## PROJECTS

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### Robot arm

**C, Arduino**

*Developed movement algorithms to mirror a human arm by using servos* <http://git.io/vInk0>

March 2015

### Online video game server

**Node.js, SQL**

*Coded a login server to emulate a discontinued MMORPG* <http://git.io/vInk7>

June - August 2014

### "Produce" Android app

**Java, Android**

*Wrote an app that listens for the opening of other Android apps* <https://goo.gl/rbNhvc>

January 2014

**Code samples can be found here:** <https://github.com/tjadams/coding-problems>