

# Tyler Adams

3A Computer Engineering | <http://dare.io> | <https://github.com/tjadams>  
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## SKILLS

*Programming:* C, C++, Java, Python, ARM assembly, Scala, Objective-C, Node.js  
*Development methods:* Agile development, Test-driven development  
*Tools:* Mac OS X, Xcode, Git, CLion, Sublime Text

## WORK EXPERIENCE

**Software Engineering Intern** Santa Clara, CA September 2015 - Present

*Virtual Power Systems*

- Developed a software solution to intelligently allocate power to data centers which increases utilization of power by up to 2x

**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 tools that collect usage data using JSON, C++ and Objective-C

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

*Rogers Communications*

- 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*

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

## PROJECTS

**Hovering Rocket** September 2015 - Present

- Assembled and wrote software for a rocket that can lift off and hover in place
- This was done with Arduino and C

**AIsteroids – <http://j.mp/1MscHMH>** Hack the Planet August 2015

- Developed an artificial intelligence for the classic game Asteroids that trains with machine learning and user-submitted AI algorithms

**BabySteps - <http://git.io/vk6kS>** McHacks February 2015

- Wrote an Android app that uses a self-improvement planner to raise users’ confidence
- Created an algorithm to broaden 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

**Robotic Arm - <http://git.io/vtC42>** March 2015

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