

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 increased 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