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