Michael D. Eden

Graduating: May 2018

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EXPERIENCE

___Tulip Interfaces___ Cambridge, MA — *Software Engineer*

JUNE 2015 - DECEMBER 2015, MAY 2016 - AUGUST 2016

Round One: One of the first ten employees in this startup, was one of two in charge of all IoT development. Build embedded linux applications as well as reactive web applications in the main product's critical path.

Round Two: Built a real-time video processing pipeline and daemon for IoT devices (C++, V4L2). Rewrote main mobile application to rip it apart from Meteor's Cordova build system.

___Augmented Environments Lab___ Atlanta, GA — *Research*

AUGUST 2014 - MAY 2015, JANUARY 2016 - MAY 2016

Reverse-engineered Minecraft and added some augmented reality features and sensors. Building a mobile augmented reality platform.

EDUCATION

___Georgia Institute of Technology___ — *B.S. Computer Science*

AUGUST 2014 - PRESENT

1. Candidate for Bachelor of Science in Computer Science
2. GPA: 3.82 / 4.0
3. Notable Courses: Machine Learning, Honors Algorithms, Data Structures & Algorithms
4. President of the Linux Users Group at Georgia Tech
5. Teaching Assistant for CS1331: Object-Oriented Programming

PROJECTS

___Rust-Websocket___ — *Contributor to the de facto Rust Websocket Library*

A major contributor to the rust websocket library, which is used in many large projects such as Servo (Mozilla's next generation browser engine).

___Kthulu___ — *Media Server / Window Manager / Smart TV*

Reactive web app that leverages Movie, TV, and Music databases to provide content as well as exposing an 'app' interface to integrate with Netflix and Steam all the while providing mouse and keyboard input, gamepad configuration, and volume control. Built with Meteor and Material Design.

___Flash Free Live Web Streaming___ — *Fast Live Video Streaming Library*

Exceptionally low latency live video streaming done without Flash or Java Applets and only using currently implemented web standards. Supports streaming to multiple clients and remote procedure calls.

__Fun__

Moved all my system configuration into a Chef cookbook. Created a markov chain and matrix library in BASH. Wrote a an "l33t" system login screen. Rewrote part of `amixer` and `xbacklight` to get `notifyd` support.

LANGUAGES & FRAMEWORKS

1. Frameworks & Systems: OOP, FP, Linux, Android, Chef, Meteor, Firebase, V4L2
2. Languages: Rust, C++, Javascript, BASH, Python, Java, Ruby