

# Elias Bagley

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github - [github.com/eliasbagley](https://github.com/eliasbagley)

blog - [eliasbagley.github.io](https://eliasbagley.github.io)

## EDUCATION

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### University of Utah

*Sep 2007 - May 2013*

Master of Science in Computing (Robotics Emphasis), GPA 3.85

Bachelor of Science in Computer Science, Cum Laude, GPA 3.93

Bachelor of Science in Biology, Cum Laude, GPA 3.93

## WORK HISTORY

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### Neural Engineering Lab

May 2009 - January 2013

*Research Assistant*

*Salt Lake City, UT*

- Investigated electrical stimulation of visual cortex using penetrating microelectrodes in trained primates
- Trained primates on behavior tasks
- Wrote task control software for primate training and data acquisition with MATLAB

### University of Utah School of Computing

May 2010 - May 2013

*Teaching Assistant*

*Salt Lake City, UT*

- Teaching assistant for the following classes: Advanced Algorithms, Intro to Object Oriented Programming, Algorithms and Data Structures, Software Practice II, Web Software Architecture, Computer Systems, Senior Capstone Project, Basic Lab Techniques

### Rocketmade

May 2013 - Present

*Software Engineer*

*St. George, UT/Remote*

- Senior developer on multiple iOS and Android apps for clients, hundreds of thousands of downloads
- Concepts - Professional Sketching iPad app, <https://concepts.tophatch.com>
- Payclip Terminal - Mobile Payment Processing for iOS and Android, <https://clip.mx/us>
- Prosperworks - CRM built for Google Apps for iOS and Android, <http://www.prosperworks.com>
- Fortify - Habit tracking app for Android, <https://fortifyprogram.org>
- Time Machine - Social charity app for Android, <http://timemachine.do>
- U.S. Ski Team - Official app for the United States Ski Team, iOS and Android
- Paylani - Mobile Payment Processing for Android, <https://paylani.com>
- SudoPay - Virtual credit card provisioning for iOS, <https://sudopay.com>

## SKILLS

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### Languages

Swift, Java, Objective-C, JavaScript, MATLAB, Bash

### Tools & Buzzwords

Unix tools, SQL, Vim, RxJava, Dagger, MQTT, Jekyll, Core Data

### Some familiarity

Ruby, Rails, Elixir, React, Node.js, HTML, CSS, Kotlin,  $\text{\LaTeX}$

### Hobbies

Brazilian Jiu Jitsu, Blues Guitar, Portuguese (B1)

## PUBLICATIONS

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T.Davis, E Bagley et al. **Spatial and temporal characteristics of V1 microstimulation during chronic implantation of a microelectrode array in a behaving macaque** in Journal of Neural Engineering. 2012