

Elias Bagley

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github - <http://github.com/eliasbagley>

blog - <http://eliasbagley.github.io>

EDUCATION

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

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 for [iOS](#)
- Payclip Terminal - Mobile Payment Processing for [iOS](#) and [Android](#)
- Prosperworks - CRM built for Google Apps for [iOS](#) and [Android](#)
- Fortify - Habit tracking app for [Android](#)
- U.S. Ski Team - Official app for the United States Ski Team for [iOS](#) and [Android](#)
- Paylani - Mobile Payment Processing for [Android](#)
- SudoPay - Virtual credit card provisioning for [iOS](#)

SKILLS

Languages

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

Tools & Buzzwords

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

Some familiarity

Ruby, Rails, Elixir, React, Node.js, HTML, CSS, L^AT_EX

Hobbies

Brazilian Jiu Jitsu, Blues Guitar, Portuguese (B1)

PUBLICATIONS

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