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 3.85/4.0
Bachelor of Science in Computer Science, Cum Laude, GPA 3.93/4.0
Bachelor of Science in Biology, Cum Laude, GPA 3.93/4.0

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, Android Team Lead   *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, LaTeX
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