Elias Bagley

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github - github.com/eliasbagley

blog - 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 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

· GoBe Games - Social scavenger hunt app for iOS and Android, http://gobegames.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

Languages	Swift, Java, Obj-C, JavaScript, MATLAB, Bash, Portuguese
Tools & Buzzwords	Unix tools, SQL, Vim, RxJava, Dagger, MQTT, Jekyll, Core Data
Some exposue	Ruby, Rails, Elixir, React, Node.js, HTML, CSS

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