ANDREW HAMON

10203 Blanchard Park Trail
#2215
Orlando, FL 32817

(850) 960-1646

andrew@hamon.cc
andrew.hamon@knights.ucf.edu

github.com/andrewhamon

WORK EXPERIENCE

Software Development Intern, ROI Revolution

Orlando, Florida — May 2015 – Present

- Maintain an internal Rails app that automates a variety of Google AdWords tasks
- Ensure compatibility with the ever changing Google APIs
- Build out new features to increase the productivity of the analysts
- Rails + PostgreSQL + OS X stack (and a whole lot of gems)
- Strong culture of test driven development

Web Development Intern, Center for Independent Living (Nonprofit Organization)

Orlando, Florida — October 2014 – May 2015

- Maintain a records keeping web app that serves offices all over Florida
- Discover, diagnose, and squash bugs
- Rapidly add new or modify existing features to meet the needs of the Organization
- Django + MySQL + Debian stack
- Entire workflow in terminal + Vim

Lab Technician and Intern, NOVA Engineering and Environmental

Panama City Beach, Florida — Summer Break 2014

- Perform a variety of laboratory tests according to ASHTO and FM standards.
- Observed and assisted in fieldwork, including asphalt coring, hand augers, and collecting soil samples for testing and classification
- Performed calibrations on all lab equipment including filing the necessary documents

EDUCATION

University of Central Florida

B.S. Computer Engineering
2013 - present
3.33 GPA

Relevant Coursework

- Math and Physics core classes
- Differential Equations
- Digital Systems
- Computer Organization
- Electrical Networks
- Networks and Systems
- Engineering Analysis (C Programming)
- Computer Science I
- OOP in Java

SKILLS

- Proficiency in Ruby and Python
- Strong knowledge of RoR
- TDD with Rspec
- Working knowledge of Java and C/C++
- HTML + CSS + JavaScript
- Very comfortable working on any platform with a bash shell
- Version control with Git
- Nginx webserver configuration
- PostgreSQL server configuration + basic SQL knowledge

PERSONAL PROJECTS

- Partygoer – Steven Petryk's and my collaborative take on what a Spotify "party mode" should be. Ruby on Rails + Nginx + Postgres for the web api, React + Backbone for the front end, and node.js for the player
- ily.io – A little website I created using CSS animations and a splash of JavaScript to tell people what's on your mind
- Dynamic lighting based on real time FFT audio analysis, powered by Processing (Java) and an Arduino
- Giant working calculator costume, using capacitive sensing for the buttons and six giant seven-segment displays for the display, powered by an Arduino
- A batch image thumbnail generator for my NAS, written in Python and optimized for multiple processing cores.
- Optical mouse based displacement sensor for BoeBots (in EGN 1006), which then allowed the gathering of input data for a PID feedback loop to ensure the bot did not drift off of its specified course.