ANDREW HAMON

10203 Blanchard Park Trail
#2215
Orlando, FL 32817

(850) 960-1646

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

hamon.cc
github.com/andrewhamon

WORK EXPERIENCE

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

Orlando, Florida — October 2014 – Present

- 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 laboratory tests including standard and modified proctor, lime rock bearing ratio determination, sieve analysis and 200 wash, resistivity, chloride and sulfate content, natural moisture, organic content, and concrete compressive strength determination according to ASHTO and FM standards.
- Observed and assisted in fieldwork, including asphalt coring, hand augers, and collecting soil samples for testing and classification
- Drove company truck frequently to Pensacola and Tallahassee to pick up soil or concrete samples
- Assisted with handling of calibration paperwork

Pool Monitor, Treasure Island Beach Resort and Condominium

Panama City Beach, Florida — Summer Break 2013

- Enforce pool rules
- Keep pool area clean, orderly, and safe
- Provide friendly and enthusiastic customer service to guests
- Assist maintenance staff with miscellaneous jobs

EDUCATION

University of Central Florida

B.S. Computer Engineering — 2013-present

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 Python and Ruby
- Experience using Django and Ruby on Rails
- Working knowledge of Java and C/C++
- HTML + CSS + JavaScript
- Very comfortable working in the terminal (Bash)
- Version Control with Git
- Nginx webserver configuration
- PostgreSQL server configuration + basic SQL knowledge
- Experienced in all major operating systems, though Linux or OSX are where I truly shine

PERSONAL PROJECTS

- Partygoer – Steven Petryk's and my collaborative take on what a Spotify "party mode" should be. Ruby on Rails api + Nginx + Postgres + AngularJS for the web app part, and Ruby + libspotify 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 (using ImageMagick bindings) 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.