

LAURA KELLY

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EXPERIENCE

HACKBRIGHT ACADEMY Student, June - August 2012

- Hackbright is a 10 week, full-time intensive web development course, focusing on Python
- I gained experience with Python, Django, Flask, SQL and MongoDB, Javascript, JQuery, HTML and CSS
- I created a number of applications throughout the program such as a movie rating prediction system implementing Pearson's r, K-nearest neighbor, and Euclidean distance, a to-do list using Flask, and a program that generates text in the style of a particular author using Markov chains

UC DAVIS, DYNAMIC MEMORY LAB, Junior Specialist, July 2010 - July 2012

- Conducted fMRI, EEG, eye-tracking, and behavioral cognitive neuroscience studies
- Analyzed experimental data in Python and Matlab
- Administered lab server system (a Ubuntu 10 server, an Xserve, and two Drobo's), serving ~20 machines plus remote users
- Published academic author in Neuron
- Lab Python evangelist

PROJECTS

IDL HANDS a self-curated online art community by artists, for artists

- A personal side project which I created, designed, and implemented
- The site is a multi-user platform in which users can post art portfolios and upvote other users' work
- Front page is dynamically generated to feature new and interesting work
- Uses Python, Django, PostgreSQL, JQuery and Javascript

MUNI MOBILE a web app that texts you scheduled, real-time updates of approaching Muni buses

- www.munimobile.herokuapp.com
- Won 2nd place at the DevelopHer Hackathon at LinkedIn
- I implemented back-end functions which gather bus information via the NextBus API and calculate which users in the PostgreSQL database need to be texted, and I created a cron job on Cron.io to trigger database queries
- Muni Mobile uses Python, Django, Cron.io, Twilio, NextBus API, JSON, and Javascript

WOMEN WHO CODE WEBSITE a website for the SF chapter of Women Who Code

- Using Django, I implemented a page in which users can send in information about themselves in order to be matched with a mentor or volunteer as a mentor

SKILLS

LANGUAGES Python, Matlab, R. Undergraduate coursework in Java **FRAMEWORKS** Django, Flask **DATABASES** SQL, MongoDB **FRONT-END** Javascript, JQuery, HTML, CSS **APPLICATIONS** Adobe Photoshop, Illustrator **OTHER** Knowledge of statistical methods for behavioral and cognitive neuroscience research, experience with eye-tracking hardware, data collection, and analysis

EDUCATION

Washington University in St. Louis
Bachelor of Arts, May 2010, Majored in Philosophy-Neuroscience-Psychology

HONORS AND AWARDS

- Speaker at Hackbright Academy's Girl Geek Dinner, 2012
- 2nd Place, DevelopHer Hackathon at LinkedIn, 2012
- PyLadies Scholarship, 2012
- Selected as a Gawker Artist, 2011
- Undergraduate Research Award, Washington U. in St. Louis, 2008 & 2009
- Gary Hirsch Research Scholarship, Washington U. in St. Louis, 2008
- Dean's List, Washington U. in St. Louis, Fall 2008 - Spring 2009

PUBLICATIONS

- Women 2.0, "Two Student Programmers Build Their First Webapp, Winning Second Place At DevelopHer Hackathon", www.laurakelly.com/women2
- Neuron, "Can cognitive training improve episodic memory?", www.laurakelly.com/neuron

HOBBIES

- Active member of PyLadies
- Mixed-media artist, with work in gallery shows in California and New York in the past year