Laura Marsh

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Experience

Senior Design Project — Capital Group
APR 2018 - CURRENT
- Partnered with representatives from Capital Group to build an informational microsite with multiple interactive tools.
- Used various APIs including Alpha Vantage and Google Maps to build features.
- Site built/hosted using Python, Flask, HTML/CSS/JS, Ajax.
- Followed Agile methods over the course of a full design process.

Front End Development Intern — TenantBase
JUN 2017 - SEPT 2017
- Increased site traffic by implementing SEO techniques on main website market pages.
- Used Django, Wagtail, Python for dynamically generated site content.
- Used HTML/CSS/JS for UI and Implemented feature toggling for testing future site versions.

Firmware QA Intern — Dell EMC / DSSD
JUN 2015 - SEP 2015
- Used Sublime Text 2, Python to create test suites to verify basic product firmware and hardware operations.
- Worked closely with teammates and mentors following Agile methodology.

Projects

FabFlix — **HTML | CSS | JS | (my)SQL | Java | Apache TomCat | AWS**
- Full-stack film eCommerce site created with Java Servlets using caching, session attributes, and backend MySQL database queries.
- UI made with HTML/CSS/JS with AJAX, JQuery following MVC architecture.
- Also created a mirroring Android app
- Hosted on AWS EC2 using Apache Tomcat, incorporates load balancing on master/slave SQL database instances.

VIPster — **HTML | CSS | JS | PHP | JSP | Java | SQL**
- A small RESTful mock e-commerce web application that sells the VIP concert packages of various music artists.
- Built using HTML/CSS/JS, AJAX, JQuery, PHP for dynamic content.
- Used JSP and Java servlets for REST implementation.

Search Engine & Crawler — **Python | MongoDB | JSON**
- A rudimentary search engine built using Python and populated via JSON I gathered from the UC Irvine domain.
- Built a small crawler in Python that crawled subdomains and tokenized all words and stored them in a mongoDB with weighted metadata.
- Crawler UI displays top 10 search results given input term(s).

Education

B.S. in Software Engineering
University of California, Irvine
SEPT 2014 - AUG 2018

Affiliations:
- Theta Tau, a professional engineering fraternity
- Information & CS Student Council

Courses:
- Programming in Python, Java, C++
- Data Structures/ Algorithms
- Computer Networks
- Software Design
- Software Testing
- HCI/User Interaction Software Design
- Product Management

Skills

Proficient:	Familiar:
- Python	- AJAX
- Java	- JQuery
- HTML	- JSON
- CSS	- Swift
- Javascript	- PHP
- SQL	- JSP
- Django	- REST
- Flask	- Vim

Environments/Tools:
- Sublime Text 2, Eclipse, PyCharm, Android Studio, Xcode
- MySQL
- Github
- AWS EC2
- Linux/Unix
- Apache Tomcat

Volunteering

American Cancer Society Discovery Shop, as a shift lead and accomplished fundraiser
2010 - 2014

(Theta Tau) Samueli Academy, as a logic/programming instructor for high school aged students
2016-2018