Laura Marsh

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EXPERIENCE

Front End Engineering Intern @ TenantBase
June 2017 - Sept 2017 // Irvine, CA
- Increased monthly site traffic by ~10,000 visitors by implementing Search Engine Optimization techniques on main market pages.
- Used Django, Wagtail, Python for dynamically generated site content.
- Implemented feature toggling for testing future site versions.

Android App Dev @ inWerks
Dec 2016 - March 2017 // Rancho Santa Margarita, CA
- Improved and maintained main android application by correct previous project errors, upgrading UI, and modifying overall look and performance with modern libraries.
- Used Android Studio running on Ubuntu.

Firmware QA Intern @ Dell EMC / DSSD
June 2015 - Sept 2015 // Menlo Park, CA
- Created test suites to verify basic product firmware and hardware operations. Updated existing suites to match new product requirements.
- Worked closely with teammates and mentors following Agile methodology.
- Used Sublime Text 2 and Python.

PROJECTS

Capital Group Capstone Project
- Partnered with representatives from investment firm Capital Group to build a microsite with multiple interactive tools.
- Used various APIs including Alpha Vantage and Google Maps to build features and educate viewers about mutual fund investment.
- Site built and hosted using Python and Flask following Agile methods over the course of a full design process.
- `HTML/CSS | JS | Python | Flask`

FabFlix
- Full-stack movie browsing web application with eCommerce capabilities.
- UI incorporates fuzzy and full-text search, and was built following MVC architecture alongside a mirroring Android app.
- Utilized XML Parsing, MySQL databases with stored procedures/external functions for data management alongside load balancing on master/slave db instances.
- `HTML/CSS | JS/AJAX/JQuery | SQL | Java Servlets | Apache TomCat | AWS EC2`

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

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

EDUCATION

University of California, Irvine
2014 - Aug 2018 // Irvine, CA
B.S. in Software Engineering

Affiliations:
Theta Tau, a professional engineering fraternity
Information & Computer Science Student Council

Courses:
- Programming in Python, Java, C++
- Data Structures/ Algorithms
- Computer Networks
- Software Design
- Software Testing & QA
- HCI/UI Software Design
- Product Management
- Data Management
- Internet Apps Engineering

SKILLS

Languages:
Python, Java, HTML, CSS, JavaScript, SQL, PHP, JSP, JSON

Frameworks:
Django, Flask, AJAX, JQuery, React, REST, Bootstrap

Tools:
Sublime Text 2, Eclipse, PyCharm, Android Studio, MySQL, Git, Linux/Unix, AWS EC2, Apache Tomcat

Design:
Adobe Photoshop, Illustrator

ACTIVITIES

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

Theta Tau Samueli Academy
2016 - 2018 // Irvine, CA
as a logic and beginner's programming instructor for high school students