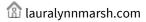# Laura Marsh

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EXPERIENCE

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

Android Application Developer @ inWerks
Dec 2016 – Mar 2017 // Rancho Santa Margarita, CA
- Completely revamped previously abandoned android application for store deployment.
- Improved and maintained by correcting 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
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, Flask following Agile methods over a full design process.
- HTML/CSS | JS | Python | Flask

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

VIPster
- A small RESTful mock e-commerce web application that sells VIP concert packages.
- 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 Simulation
- A rudimentary search engine built using Python and populated via JSON I gathered from the UC Irvine domain, alongside a crawler that parses all subdomains, tokenizes all words and stores them in a mongoDB database with weighted metadata.
- Search Engine UI displays top 10 search results given input term(s).
- Python | MongoDB | JSON

EDUCATION

University of California, Irvine
Sept 2014 – Sept 2018
B.S. in Software Engineering

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

Courses:
- Python, Java, C++, OOP
- Data Structures/Algorithms
- Computer Networks
- Software Design
- Software Testing & QA
- HCI/UI Software Design
- Product/Project 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, Adobe Illustrator

VOLUNTEERING

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