

# 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, React.JS to dynamically generate site content.
- Implemented feature flag 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.
- Convinced managers to move mobile development environments to an Ubuntu machine.

### Firmware QA Intern @ Dell EMC

June 2015 – Sept 2015 // Menlo Park, CA

- Worked for DSSD, a recently acquired startup revolutionizing cloud storage procedures.
- Used Python and subtext 2 to create test suites to verify basic product firmware and hardware operations. Updated existing suites to match new product requirements.

## PROJECTS

### Capital Group Capstone Project

- Partnered with representatives from Capital Group to build a microsite with multiple interactive tools that educates viewers about the amazing possibilities of long term investment banking.
- 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 application and android app with eCommerce capabilities.
- 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, 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, 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