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 |