WILL SIMS

SOFTWARE DEVELOPER

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EXPERIENCE

Apprentice Software Developer
Nashville Software School, Nashville, TN
Six month full-time, immersive boot-camp in full-stack software development. Worked with Javascript and the Angular framework, as well as Python, the Django web framework, and the Django REST framework. Designed and developed many individual and group apps. Developed test-driven applications, managed source and version control using Git/GitHub, designed entity relationship diagrams (ERDs) that led to the creation of SQL databases, and designed a truly RESTful API using Django's REST framework.

E-Commerce Data Analyst
Executive Advertising, Hendersonville, TN
I collect, store and maintain product and supplier data. I use Python to collect data from suppliers' websites for the companies that do not offer an API. I am involved in the decision making process of our database structure. I am currently responsible for the upcoming transition of our customer and product data from an outsourced, 3rd party backend to a new, MySQL database hosted on our own server.

EDUCATION

2012 - 2016
University of Tennessee, Knoxville
Bachelors Degree: Business Administration: Management
Collateral Degree: Information Management

PROJECTS

My Grades

MyGrades is an application for students to keep track of, and make calculations on, the grades they receive in their college or high school courses. I built this program because when I would be studying for tests in college, I always found myself manually calculating grades that I needed to receive in order to get an A or B in the course. This application was built with the AngularJS framework and a hint of jQuery. It was styled with Bootstrap, and it stores data by using Google's Firebase platform.

GitHub Repo: *https://github.com/willsims14/My-Grades*
Deployed App: *http://will-sims.com/My-Grades/*
Version 2 *(Under Construction)*
Back End API Repo: *https://github.com/willsims14/MyGrades-BackEnd*
Front End Repo: *https://github.com/willsims14/MyGrades-FrontEnd*

Djangazon

I worked on this project in a team of 4 people, and we followed the SCRUM Sprint methodology. We worked on this project for two week-long sprints. The Djangazon project is an e-commerce web application, similar to Amazon, that was built with the Django framework for learning purposes only. Users can buy and sell products, like & dislike products, give ratings to purchased products, and recommend products to friends (via username). My team and I also built a recommendation engine that recommends products to users, based on the Jaccard Index's similarity coefficient (relative to other user's like/dislike patterns). Check it out on GitHub!

GitHub Repo:
https://github.com/solanum-tuberosums/djangazon

TECHNOLOGIES / SKILLS

BACK END

Python

SQL Server, MySQL, phpMyAdmin, SQLite

Relational Database Development

Entity Relationship Diagram (ERD) Design

Data Scraping

Django Web

Django REST Framework

FRONT END

HTML , CSS, Javascript

jQuery

AngularJS

Bootstrap / Materialize

OTHER

Project Management

Source Control (GitHub/BitBucket)

Documents and Describes Code Well

Unit Testing

Visual Basic