



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

My role took many different forms: from data engineer to database administrator, I work on almost every aspect of our e-commerce website aside from the front-end development (though I have managed projects and teams that work on our front-end). My primary role was to manage product and supplier data. My "daily driver" is Python, but I have experience in other languages and feel more than comfortable learning a new one. I also helped with the decision making process for the design and structure of the database. I was responsible for the transition of our customer and product data from an outsourced, 3rd party back-end to our new, in-house MySQL database.

EDUCATION

2012-2016

University of Tennessee, Knoxville

Bachelors Degree: Business Administration: Management

Collateral Degree: Information Management

PROJECTS

MyGrades

MyGrades was my first shot at building a full-stack app. It 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 study 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 for the front end, and I built a RESTful API with the Python & the Django Framework for the back end.

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, we followed the SCRUM Sprint methodology. 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. My team and I 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).

GitHub Repo:

<https://github.com/solanum-tuberosums/djangazon>

Private Projects

I have a few private projects that I cannot make public, but I would love to show them off in person. These private projects range from image manipulation, to data collection and storage.

TECHNOLOGIES / SKILLS

BACK END

Python

Web Scrapping

Relational Database Development

Django Web Framework

Entity Relationship Diagram (ERD) Design

Django REST Framework

MySQL, phpMyAdmin, SQLite

FRONT END

HTML, CSS, Javascript

AngularJS

jQuery

Bootstrap / Materialize

OTHER

Ability to Find Answers to Questions

Flexible, able to get along

Open to Criticism for Self Improvement

Project Management

Source Control (GitHub/BitBucket)

Unit Testing

Documenting and Describing Logic Well

Visual Basic