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. I aided in the design and structure of our 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. Aside from managing, collecting, and manipulating data, I also built image manipulation software. These image manipulation scripts range from modules that let our admin users approve, change, or deny product images and information that was either scraped or collected via an API by myself.

EDUCATION

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

PROJECTS

My Grades
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' topics range from image manipulation, to data collection and storage.

TECHNOLOGIES / SKILLS

BACK END

Relational Database Development	Web Scraping
Entity Relationship Diagram (ERD) Design	Django Web Framework
SQL	Django REST Framework
Restful API Development	SOAP Protocol

FRONT END

HTML , CSS, Javascript	AngularJS
jQuery	Bootstrap / Materialize

OTHER

Source Control (GitHub/BitBucket)	Flexible
Linux / Unix-based operating systems	Project Management
AWS	Unit Testing

FAMILIAR WITH

Java	PHP
.NET Framework	Node.js