



# 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.

#### Assistant to Facilities Services Information Technology Specialist II

Developed ability to learn independently. Studied Android mobile app development through the use of the Android Studio IDE. Wrote self-learned Java to create an elementary version of my MyGrades app. Also helped employees of the Facilities Services departments with simple computer-related tasks (software downloads/updates, microsoft office configuration, external device configuration, etc.)

### 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 Repository:** <https://github.com/willsims14/My-Grades>  
**Deployed App:** <http://will-sims.com/My-Grades/>

#### 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 using the Django framework. 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 Repository:**  
<https://github.com/solanum-tuberosums/djangazon>

### TECHNOLOGIES / SKILLS

#### FRONT END

HTML	Node Package Manager (NPM)
CSS	Grunt Task Runner
Sass / Scss	AngularJS
Javascript	Bootstrap / Materialize
jQuery	

#### BACK END

Python	SQL Server Management Studio
Django Web Framework	Relational Database Development
Django REST Framework	SQL / SQLite3

#### OTHER

Unit Testing	Git / GitHub
Test Driven Development	Command Line