

# Hayden Hanson

Entry Level Software Engineer

## EDUCATION

George Mason University — Applied Computer Science, BS

Concentration in Software Engineering

3.8 GPA

Fall 2019 - Present

## SKILLS

Proficient with: JavaScript, React, C, Java

Experienced with: Python, Flutter, React Native, Firebase, JUnit, HTML, CSS, and more...

## RELEVANT PROJECTS

### Spotify Web App (React)

- Accomplished design, implementation and development of a full stack web application.
- This application allows a user to sign in with their Spotify account and listen to music like normal. However, there is a completely new user experience designed and built by myself.
- I designed and developed both the React frontend and Express/Node JS backend using continuous integration and Agile methodologies.

### Pocket Recipes Mobile Application (Flutter)

- Accomplished rapid software development with a small team of developers using Agile methodologies.
- We developed a full stack application that allows users to store recipes along with many other features detailed further on my website linked below.
- We built this application with Flutter, Java Spring-Boot and MongoDB. I was the lead frontend developer.

### UNIX Shell (C)

- Accomplished the design and implementation of a bash style system shell built from the ground up.
- Efficiently stores user processes from the command line and allows users to run these processes in the foreground or background. More features such as logging and the ability to cancel, suspend or resume a running process are also present. These features are made possible with forks, pipes and signal handling.

## RELEVANT WORK EXPERIENCE

### Undergraduate Teaching Assistant, George Mason University; — 8/2022 - Present

Currently, I assist the Computer Science Department with the SWE 205 class sections. This class is called Software Usability Analysis and Design and teaches students quantitative engineering principles for designing usable software interfaces. I help with in-class learning, grading and providing feedback.

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