Hayden Hanson

Software Developer

Ambitious Computer Science Student Seeking Software Engineering Internship

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EDUCATION

George Mason University

Applied Computer Science, B.S.

Concentration: Software Engineering

GPA: 3.6 — Aug/2019 - **Present**

Awards: Deans List 5 Semesters

Advisor: Dr. Kevin Moran

TECHNICAL SKILLS

Languages: Javascript, C, Java, Python, R, Dart, Typescript + HTML and CSS

Frameworks: React, NextJS, Svelte, Flutter, React Native

Notable Tools: Git, Node, NPM, Express, Firebase, MongoDB, Prisma, Tailwind, Vite, Figma, AWS Services, JUnit, Jest, Microsoft Office Suite

Concepts: TDD, Agile, Microservices, Usability, Integration, Algorithms, Data Structures, Client Relations

REFERENCES

Dr. Paul Ammann:
  pammann@gmu.edu

Dr. Jeff Offutt:
  offutt@gmu.edu

WORK EXPERIENCE

Web Developer, Craftworks Software — Jan/2023 - Present

I am the founder of a software company, Craftworks Software. Here my goal is to provide clients with high end, custom websites using professional tools and practices. I have been successfully collaborating with multiple clients, and am steadily growing relationships and experience in the field of web development.

Teaching Assistant, GMU CS — Aug/2022 - Present

Currently, I assist the Computer Science Department with the SWE 205 class sections. This class is called Software Usability Analysis and Design. I help Professor Jeff Offutt teach students quantitative engineering principles for designing usable software interfaces. I also help with grading and feedback.

Last Fall, I assisted the Computer Science Department with the SWE 205 class sections as well. I worked with Professor Paul Ammann to help students grasp the material and engage in discussions. I also assisted with grading and feedback.

PROJECTS

Client Websites: NextJS (React)

• Accomplished design, implementation, development and deployment of multiple high-end custom websites for my clients using a popular framework.
• I Designed these web applications with Figma and developed them with the following tools: Next, Typescript, Node, Express, Prisma, MongoDB and Tailwind.
• I learned how to work with clients professionally, adapting to their needs.

Pocket Recipes Mobile Application: Flutter (Dart)

• Accomplished rapid software development of a recipe keeping application with a small team of developers using Agile methodologies (Scrum).
• We developed a full stack application that allows users to store recipes along with many other features detailed further on my portfolio linked at the bottom *.
• I was the lead frontend developer on this project and learned the importance of teamwork and communication. I also learned how to build UI's with Flutter.

UNIX Shell: C

• Accomplished the design, implementation and development of a system shell.
• 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.

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