Hayden Hanson

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CAREER OBJECTIVE

Searching for a career in tech that promotes growth and learning from mentors. I aspire to provide value to those around me through my dedication to craftsmanship and proficiency in software development.

WORK EXPERIENCE

DevX Laboratory - Software Developer Intern   Jan 2024 - May 2024
- Developed features for the Active Documentation IntelliJ plugin, a static analysis tool for Java projects.
- Contributed to porting the plugin to VSCode, expanding its reach and usability across different IDEs.
- Maintained comprehensive documentation of frontend code and submitted pull requests on GitHub.

George Mason University - Teaching Assistant   Aug 2022 - May 2024
- Helped students grasp complex material during in-class discussions, group meetings, and emails.
- Assisted with grading large coding assignments, papers, and presentations.
- Created testing scripts with Bash and made example code snippets in Java and JavaScript.
- I worked in the following classes through various semesters over a two year span: SWE 637 - **Software Testing**, SWE 432 - **Web App Development**, and SWE 205 - **Usability Analysis and Design**

DevX Laboratory - Research Assistant   June 2023 - Aug 2023
- Created features for a debugger that helps developers reason about their web applications.
- Achieved the integration of LLM's into the workflow through research and use of the OpenAI API.
- Built command line tooling in python that queried our database and made data easier to interact with.
- Wrote multiple web applications in React for testing and created concise demos for presentations.

PROJECTS

Taskman Unix Shell   Learn More
- Achieved the design and implementation of a fully featured Unix Shell. This was done in the C programming language. It contains features such as process creation, termination and suspension.

Code Snippets Web Application   Learn More
- Created a full stack web application from scratch with React, MySQL and a RESTful API.
- Implemented syntax highlighting for the code snippets and properly rendered markdown text.

EDUCATION

George Mason University, Fairfax, VA   May 2024
Bachelor of Science in Applied Computer Science

SKILLS

Languages: Java, Go, Python, C, R, Haskell, SQL, TypeScript/JavaScript + HTML 5 and CSS 3
Frameworks: Svelte, React, Astro, Flutter
Notable Tools: Git, Unix, Arch Linux, MySQL, Oracle JDBC, MongoDB, JUnit, Jest, SpringBoot, Figma, Microsoft Office Suite
Concepts: Agile, Scrum, UI/UX Design, CI/CD, Microservices, Usability Analysis, Client Relations