Austin Zilincik

SOFTWARE ENGINEER

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OBJECTIVE

To leverage my skills and experience in system design, programming languages, and low-level system internals to effectively optimize and improve the runtime environment. I aim to contribute to the robustness and performance of the system, ensuring high availability and seamless execution of applications. As a diligent troubleshooter, my goal is to proactively identify and address potential performance bottlenecks and system issues, thereby providing a consistent and high-quality user experience.

HOBBIES

- Personal Programming Projects - I enjoy staying sharp by conceptualizing and building small desktop and mobile applications during my personal time. These recreational projects allow me to experiment with new programming languages, frameworks, and libraries while also bringing an idea to fruition. They provide an outlet to reinforce and expand my skills.

LANGUAGES

Zig	★★★★★
C++	★★★★★
Go	★★
JavaScript	★★★★★
CSS	★★★★★
TypeScript	★★★★★
HTML5	★★★★★
HTTP	★★★★
Python	★★★★
Lua	★★★★★
Java	★★★

CERTIFICATIONS

CS50's Web Programming with Python and JavaScript

Harvard University

The design and implementation of web apps with Python, JavaScript, and SQL using frameworks like Django, React, and Bootstrap.

Data Science: Machine Learning

Harvard University

Build a movie recommendation system and learn the science behind one of the most popular and successful data science techniques.

WORK EXPERIENCE

Singh Automation

Computer Vision Intern / June 2023 -

- Coding and programming for Vision, AI, ML systems
Validated the vision systems and analyze the results to make improvements
- Wrote clear and detailed technical documentation, including process flow diagrams, operator manuals, and maintenance procedures
- Collaborated with cross-functional teams, including mechanical engineers and software developers, to integrate vision systems into production processes

The Shumaker Technology Group

Front-End Developer / June 2022 - August 2022

- Created html/css base templates for new or existing sites from a design
- Maintained and edited existing sites

EDUCATION

Dual Enrollment at Lawrence Technological University
Computer Engineering
2022 -

Took MCS-2414 Calculus 3 and MCS-3863 Linear Algebra

SKILLS

- Data Structures and Algorithms - Demonstrates solid understanding of key computer science concepts including arrays, stacks, queues, trees, graphs. Excels at selecting the most optimal algorithms and data structures to accomplish programming objectives in the most efficient way possible.
- Testing - Conducts comprehensive testing of software to verify functionality and usability meet requirements. Highly knowledgeable in testing methodologies such as unit testing, integration testing, regression testing to deliver the highest quality code.
- Debugging - Performs thorough testing of code to identify any bugs or issues. Dives into root cause analysis of problems and comes up with effective solutions and fixes in a timely manner. Has experience leveraging debuggers and a variety of troubleshooting techniques to squash bugs.
- Object-Oriented Design - Leverages object-oriented principles like abstraction, encapsulation, inheritance to construct reusable, scalable, and flexible software systems. Has strong ability to break down complex problems and translate the solutions into clean, organized code.
- Technical Documentation - Produces detailed technical documentation including API references, user guides, architecture diagrams to enable smooth onboarding of new developers and facilitate knowledge transfer.

REFERENCES

Paper Dave