Alex Kaiser

Software Engineer

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OBJECTIVE

To obtain a challenging full-time engineering position in which I can utilize and expand my knowledge and experience in computer science and software engineering.

TECHNICAL SKILLS

Python	SQL/NoSQL	Full-Stack Engineering	ASP.NET
C/C++	JavaScript/TypeScript/CSS	Docker	ReactJS

EXPERIENCE

DornerWorks Ltd.   **Grand Rapids, MI**

Software Engineer Co-op - Secure Technologies   May 2020 – August 2022

- Embedded system design/virtualization with a focus on the seL4 microkernel
- Created and developed embedded applications to run on virtual machines
- Developed a full-stack desktop application using ReactJS, TypeScript, Python, and C
- Participated in daily and individual meetings with various customers

Software Engineer Co-op - FPGA   August 2022 – January 2023

- Focused on accelerating machine learning/artificial intelligence algorithms on an FPGA
- Configured hardware descriptions to run embedded applications on a system on a chip

PROJECTS

seL4 Doom Pendulum Demo Senior Project   Team Captain/Project Manager

- Designed an application to visually show customers the security benefits of a hypervisor
- Led a team of engineers to ensure project success
- Collaborated with customer to meet a variety of needs

Machine Learning Stock Price Application   Individual Project

- Created a full-stack desktop application using Electron, React JS, TypeScript, Python, and Docker to show real time stock data with machine learning stock price predictions

Full-Stack Web Applications   Individual and Team Projects

- Created and designed a variety of full-stack applications using AWS services, SQL/NoSQL, ReactJS, TypeScript, ASP.NET, Node.js, and Python

EDUCATION

Grand Valley State University   **Allendale, Michigan**

Bachelor of Science in Engineering   Expected Graduation December 2023

- Dual Major in Computer Engineering and Electrical Engineering
  - Tau Beta Pi Engineering Honors Society, Honors College, Minor in Business

AWARDS

Volunteerism award   **May 2018**

- Led a baseball equipment drive to distribute used equipment to underprivileged youth

Academic awards   **Annually 2018 – Present**

- GVSU Award for Excellence and GVSU Faculty Scholarship, Dean's list every semester