

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