

Kamren Zirger

Computer Science & Engineering Student



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Education

The Ohio State University Columbus, Ohio

B.S. Computer Science and Engineering, Artificial Intelligence Specialization 3.66 GPA

August 2018 - Expected Graduation: May 2022

Achievements: Dean's List 7 semesters, Land Grant Opportunity Scholar, University Honors

Activities: Ohio State University Marching Band - Sousaphone, Instr. Assistant - CSE 3901 (Web Apps)

Experience

Autodesk / Software Engineer Intern

May 2022 - Present Remote Work

- Developed Slack app across multiple UI types and access methods with Slack's Bolt Python framework
- Communicated technical requirements across teams to implement ServiceNow API integration
- Configured and deployed development and production instances of Slack app backend on AWS ECS
- Produced proof of concept self-service application in Django to automate multiple request types

IBM / Back End Developer Intern

May - August 2021 Rochester, Minnesota (Remote Work)

- Developed components for new user-facing feature within DB2 for the IBM i Operating System
- Achieved proficiency in IBM's PL/X programming language to implement project functionality
- Contributed to program design discussions and decisions, solved challenges using debugging analysis

Greif / IT Service Desk Intern

May 2020 - May 2021 Delaware, Ohio (Remote Work)

- Led development of customer-facing mobile app for product pickup scheduling built on React Native
- Assisted development of REST API built on Express.js and internal colleague dashboard built on React
- Planned sitemap and created interactive wireframe for internal dashboard application using Adobe XD

AgCredit / IMD Intern

May - August, 2019 Fostoria, Ohio

- Upgraded/maintained office tech/infrastructure and responded to help desk tickets across 16 locations
- Programmed desktop setup batch script and Excel VBA macros to manage planned project schedule

Projects

FEH Robot Project

January - April 2019, The Ohio State University

- Formed team to prototype, fabricate, and program robot for FEH robotics course competition
- Employed C++, QTCreator, SolidWorks to program FEH microcontroller and design robot components
- Advanced to round of 16, completed several perfect course runs, and awarded 1st Place in Innovation

FEH Game Creation

December 2018, The Ohio State University

- Partnered to develop an OSU v. Mich themed game on FEH microcontroller using C++
- Awarded bonus points for game functionality and presentation, including edited video advertisement

Marching Band Drill Generator

June 2021 - Present, Personal

- Created Angular app to generate example marching band drill instructions in OSUMB marching style

Skills

JavaScript

TypeScript

React (+ Native)

Python

Ruby (+ Rails)

Java

C/C++

MATLAB

SQL

Angular

Git / SVN

AWS

Linux

Unit Testing

Slack (Bolt)

Power Automate

Power Apps

Adobe XD

Excel VBA

Batch Scripting

SolidWorks CAD

Microsoft Office

Microsoft Visio

Technical

Communication

Hobbies

PC Maintenance

Troubleshooting

Guitar

Music Production

Graphic Design

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References

Michael Welsh / Director, Global Service Desk at Greif, Inc.

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Allan Campbell / Director of Information Management at AgCredit

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Steve Acton / Technology Coordinator at Hopewell-Loudon Local Schools

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