

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 3.81 GPA

August 2018 - Expected Graduation: May 2022

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

Activities: Ohio State University Marching Band, AI Club, Athletic Band

Experience

Greif, Inc. / IT Service Desk Intern

May 2020 - Present Delaware, Ohio (Remote Work)

- Constructing customer-facing mobile app for appointment scheduling on React Native in a team
- Assisting development of business logic REST API for mobile and dashboard apps built on Express.js
- Planned sitemap and created interactive wireframe for internal dashboard application using Adobe XD
- Collaborated remotely to develop user-friendly front end for Service Desk ticketing system
- Facilitated colleague self-service and ticket submission via GUI using Power Apps and Automate
- Provided natural conversation IT service via Power Virtual Agents / AI Builder based Chatbot

AgCredit / IMD Intern

May - August, 2019 Fostoria, Ohio

- Programmed Excel VBA macros to organize technology management projects among 15 locations
- Upgraded and maintained network/telecom infrastructure, PC hardware/software, and office devices
- Developed employee desktop configuration batch script to standardize and update user experience
- Responded to employee help desk tickets and requests in person and remotely

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 build robot components
- Organized meeting agendas, notes, schedules, and project documentation
- 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 whack-a-mole game on FEH microcontroller
- Utilized C++ to implement scores, statistics, difficulty levels, and advanced game features
- Awarded bonus points for game functionality and presentation, including edited video advertisement

Driveway Alarm Controller

December 2019 - Present, Personal

- Developed Python script on Raspberry Pi to monitor status of household driveway occupancy
- Interfaced with vehicle detection loop and audible alarm using GPIO header and external relay board
- Implemented SMS notifications to alert on vehicle entrance or exit of driveway

Skills

Java

C/C++

Python

MATLAB

HTML

SQL

JavaScript

Unit Testing

Git / SVN

MSFT AI Builder

Power Automate

Power Virtual Agents

Power Apps

Adobe XD

Excel VBA

Batch Scripting

Linux

SolidWorks CAD

Microsoft Office

Microsoft Visio

Microsoft CDS

Active Directory

Technical

Communication

PC Building /

Maintenance

Troubleshooting

Hobbies

Guitar

Sousaphone