Kamren Zirger
Computer Science & Engineering Student

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Education

The Ohio State University

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

August 2018 - May 2022, Columbus, Ohio

Achievements: Dean's List all semesters (3.83 GPA), 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)

- Collaborated remotely to develop user-friendly interface for Service Desk ticketing system
- Built Service Desk Chat Bot to address colleague tech issues using Microsoft Power Suite / AI Builder
- Deployed and tested Power Virtual Agents bot through HTML Canvas and Microsoft Teams
- Crafted survey to gather and update IT contact information across 254 international facilities
- Sorted, updated, and migrated 362 internal Knowledgebase articles to Microsoft OneNote
- Compiled domain and registration information for regional websites across the globe

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 and tested employee desktop configuration upgrade batch script
- 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

Languages

Java

C/C++

Python

MATLAB

Skills

Technical Comm.

Software

Unit Testing

Git / SVN

MSFT AI Builder

Power Automate

Power Virtual Agents

Excel VBA

Batch Scripting

Linux

HTML

SolidWorks CAD

Microsoft Office

Microsoft CDS

Active Directory

SQL

Hardware

PC Building /
Maintenance

Troubleshooting

Soldering / Wiring

Hobbies

Guitar

Sousaphone