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 AU 2018, SP 2019 (3.69 GPA), Land Grant Opportunity Scholar, University Honors

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

Coursework:
Software I/II :
Data structures, Java programming conventions, SVN, JUnit testing, Design by Contract
Fundamentals of Engineering for Honors (FEH) I/II :
Multi-disciplinary engineering principles and practices, technical communication, teamwork
Foundations I :
Asymptotic/algorithm analysis, propositional and first-order logic, basic proof techniques
Intro to Probability and Statistics for Engineers

Experience

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
- Managed association domain users, hardware, and software with Active Directory and SCCM

Projects

FEH Robot Project
January - April, 2019, The Ohio State University

- Collaborated 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 the round of 16 in tournament after several perfect course runs
- Awarded First Place in Innovation prize, sponsored by Procter & Gamble

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

Languages

Java

C/C++

Python

MATLAB

Skills

Software

Unit Testing

Git / SVN

Excel VBA

Batch Scripting

Linux

HTML

SolidWorks CAD

Microsoft Office

Active Directory

Hardware

PC Building / Maintenance

Troubleshooting

Soldering / Wiring

Hobbies

Guitar

Sousaphone

Graphic Design