Zachary Garwood

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OBJECTIVE

To obtain an internship for the summer of 2021 performing software engineering-related work

EDUCATION

Iowa State University | Ames, IA
Bachelor of Science in Software Engineering | Expected May 2023
- GPA: 4.0/4.0
- Member of the Google Developer Student Club

Decorah Community School District | Decorah, IA
High School Diploma | May 2020
- GPA: 4.0/4.0
- Valedictorian

SKILLS

Programming Languages: Python, Java, C
Software: GitHub, Git, IntelliJ IDEA, Microsoft Visual Studio Code

PROFESSIONAL EXPERIENCE

Iowa State University | Ames, IA
Undergraduate Teaching Assistant | Jan 2021 – Present
- Teaching SE185: Problem Solving in Software Engineering
- Thoroughly and accurately relay instructions to students to ensure labs are done correctly
- Use knowledge of C to clarify and answer questions to guarantee understanding of coursework
- Assist students with programming work to solidify their understanding through office hours

Decorah Community School District | Decorah, IA
Information Technology Field Technician | May 2017 – Aug 2019
- Documented IP addresses, MAC addresses, and port numbers for all devices in the district
- Installed, terminated, and tested Category 6 cabling
- Mounted Extron PoleVault A/V systems
- Installed and terminated coaxial cable for cable television
- Installed Apple TVs

PERSONAL PROJECTS

Face Detection – *Python*
- Draws a rectangle around any faces in a video stream using OpenCV

Object Detection – *Python*
- Draws the outline of a ball and the contrail using OpenCV

Sorting Visualizer – *Java*
- Visualizes the insertion sort algorithm using Swing and AWT

Pathfinding Visualizer – *Java*
- Finds the shortest path between two points in a grid using the algorithms Dijkstra's and A*
- Visualized with Swing and AWT

AWARDS AND HONORS

KWWL Best of the Class 2020
Meritorious Recognition – High School Mathematical Contest in Modeling
National Honor Society
Silver Cord Recognition
- 200+ hours of volunteer work