Zachary Garwood

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https://github.com/zacharygarwood * https://www.linkedin.com/in/zachary-garwood/ *
https://zacharygarwood.github.io/

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

Decorah Community School District, Decorah, IA

Information Technology Field Technician, May 2016 – 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
- Prepared student's devices for the following year
- Installed and terminated coaxial cable for cable television
- Installed Apple TVs

PERSONAL PROJECTS

Face Detection - *Python*

- Draws a rectangle around any faces in the 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 Dijkstra's and A* algorithm
- 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