Zachary Garwood

4415 Lincoln Way Apt. 412, Ames, IA 50014 * (563) 568-8860 * garwoodzachary@gmail.com
https://github.com/zacharygarwood * https://www.linkedin.com/in/zachary-garwood/

EDUCATION

Iowa State University, Ames, IA
Bachelor of Science in Software Engineering, Expected May 2023
- GPA: 4.0/4.0

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
- Takes in a video stream, mainly a webcam, and uses the OpenCV library to detect if there is a face in the frame. A rectangle is then drawn around where the face is and the confidence that what is surrounded is a face is displayed along with it.

Object Detection
Python
- Outlines a ball within the correct shade of green and displays the contrail of the ball. This program takes a video stream and uses the OpenCV library to find the contour of the ball. This information is used to outline the ball on the video stream. To create the contrail of the ball, the past coordinates of the ball are recorded and are used to display where the ball was.

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