

Trent Walraven

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EDUCATION

Iowa State University, College of Engineering Ames, Iowa Expected May 2024
Bachelor of Science in Cyber Security Engineering GPA 3.90/4.00

SKILLS

Certifications

- AWS: Certified Cloud Practitioner

Languages

- Computer: C/C++, Java, Python, Bash

Software

- Microsoft Office, Proxmox/ESXi Virtualization, Linux Command Line, Serial Console, PFSense

Hardware

- Fine Tip Soldering Iron Use, Hot Air SMD Component Soldering, Beginner Homelab

ACTIVITIES AND LEADERSHIP

Cyber Tractor Competition July 2022
• An event where John Deere brought in student to test the security of their embedded systems

Cyber Defense Competition
• Spring 2021, 1st Place Team Fall 2021, 2nd Place Team Spring 2022

Information Assurance Student Group September 2020 - Present
• Vice President and Treasurer April 2022 – Present
• Temporary Equipment Chair January 2022 - April 2022
• Social Chair January 2021 – April 2022

Volunteer at National Association of Secretary of States Security Conference August 2021

Quiz Bowl Team September 2020 - Present

Culinary Science Club August 2021 - Present

PROJECTS

CPRE288 Embedded Systems Robot Programming
• Controlling and using sensors on an embedded microcontroller to control a robot vacuum

LED Display Graduation Cap
• My own take on senior grad cap decorations involving significantly less art, and more electronics

EMPLOYMENT

John Deere Ames, Iowa
Embedded Red Team Part-Time Student August 2022 – Present
• Helping John Deere test the security of their embedded devices
• Creating tools to allow further testing of embedded systems

Cloud Security Intern May 2022 – August 2022
• Helping secure John Deere's AWS environment
• Writing scripts to automate the security checks for AWS resources

Fareway Meat and Grocery Knoxville, Iowa
Produce Department December 2019 – August 2021
• Self-motivated while working primarily alone.
• Interaction and greeting of customers coming into the store
• Time management skills to get all needed work done before close
• Think and design new eye-pleasing layouts on the fly as items run out

OTHER VOLUNTEER

Pancake Breakfast Volunteer with local Rotary Club 4 July 2021