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

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

Software
- Microsoft Office, Proxmox/ESXi Virtualization, Linux Command Line, UART interfaces

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   May 2022 - Present
- Temporary Equipment Chair   January 2022 - May 2022
- Social Chair   January 2021 – May 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 Read 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

Cyber Security Cloud Team Intern   May 2022 – Present
- 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 – Present
- 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