PAUL FRECK

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EDUCATION

University of Wisconsin Madison, Madison, WI

Bachelor of Science in Computer Science, expected in 2027

GPA: 4.00/4.00

Relevant Coursework: Programming III, Topics in Multivariable Calculus and Linear Algebra, Introduction to Computer Engineering, Intermediate Microeconomic Theory

PROJECTS

Discord Role Manager

- Created a multifunctional Discord Bot designed to help administrators of a 1500+ user Discord Server to help manage roles and channels.
- Received specifications from the server owners and used Javascript and Discord.js, a Node.js library, to interact with Discord's API and implement the request to the specifications of the clients.

Wordle Clone

- Created a copy of Wordle complete with a GUI using the framework JavaFX for personal use.
- Implemented object oriented principles to keep code understandable and functional.

WORK EXPERIENCE

Hudson Valley Credit Union, LaGrange, NY   **July 2022-August 2022**

High School Summer Intern (Paid)

- Selected as one of eight candidates from over forty applicants to participate in an internship program.
- Shadowed positions in various credit unions departments including business intelligence, marketing, IT, lending, accounting, and retail.
- Delivered presentations of an intern's perspective on the company's branches and policies to executives, department leaders, and program coordinators.

CLUBS

Wisconsin Autonomous

- Part of a club competing in SAE's Autodrive Challenge™ II to produce a full self-driving vehicle
- Working with ROS and Python on the infrastructure team to get information from sensors to logic

Wisconsin Cybersecurity Club

- Attended meetings about cybersecurity topics and tools including OSINT, Wireshark, adversarial AI, lockpicking, and more.

VOLUNTEER EXPERIENCE

Arlington Central School District, LaGrange, NY   **July 2021-August 2021, July 2022**

Volunteer

- Helped elementary and middle school students to program in Scratch and create art.
- Assisted the teacher with activities and answered student questions.

SKILLS

Languages: Java, Python, Javascript.

Tools: Git, Ubuntu, Linux, Node.js, ROS2 Humble.

Certification: Scientific Computing with Python certification from FreeCodeCamp.

IBM Qiskit Fall Fest 2023: Participation and completion certificate of a Quantum Computing Hackathon and associated workshops.