Max Ladner

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EDUCATION

Carnegie Mellon University   Pittsburgh, PA
Bachelor of Science in Information Systems   *2028*

Relevant Courses:

- 15-112: Gained proficiency in Python programming, including problem-solving, top-down design, debugging, and implementing robust code using data structures, and backtracking with recursion

- 21-127: Developed skills in mathematical proof writing, abstract reasoning, and problem-solving while studying foundational topics such as logic, set theory, induction, and finite/infinite sets

- 36-200: Developed skills in empirical research, data analysis, and statistical reasoning

PROJECTS

College Soccer Camps | *Rust, Rocket, Front-End Development, Git*   May 2024 – July 2024
- Developed a web application using Rust and Rocket to consolidate U.S. college soccer ID camp information
- Designed and implemented a user-friendly front-end interface to facilitate camp searches
- Followed best practices in code organization and testing to ensure application reliability

CMU Research | *React, Prisma, Git*   Sep. 2024 – Nov. 2024
- Collaborated with a team to develop a web application consolidating research opportunities at Carnegie Mellon University, utilizing React, Prisma, and MongoDB to enhance user experience
- Actively participated in weekly team meetings, providing input on feature prioritization and problem-solving, ensuring seamless coordination across front-end and back-end development

Reaction Speed Tester | *C, Arduino, circuitry, Git*   Nov. 2023 – Dec. 2023
- Designed and built a reaction speed testing device using Arduino, incorporating sensors and custom circuitry
- Wired and assembled hardware components, including buttons, LEDs, and sensors, ensuring proper connectivity and functionality
- Constructed the physical contraption, housing all components inside a custom-built hardware box

EXPERIENCE

Front-of-House Support Staff   June 2024 – Aug. 2024
Waterworks Food and Drink   *Winooski, VT*
- Thrived in a fast-paced environment, remaining focused and adaptable during peak hours to ensure efficient service
- Maintained cleanliness and organization of dining areas by promptly clearing dishes, resetting tables, and ensuring a welcoming atmosphere for guests
- Collaborated with team members to anticipate customer needs, enhancing the dining experience

Youth Soccer Referee   June 2024 – Aug. 2024
Vermont Soccer Association   *Burlington, VT*
- Officiated youth soccer games, ensuring fair play and enforcing rules to maintain a safe and competitive environment for players
- Managed on-field dynamics and communicated effectively with coaches, players, and spectators to resolve conflicts and ensure a positive experience for all involved

TECHNICAL SKILLS

Languages: Python, Rust, C/C++, Java, Javascript
Frameworks: Flask, Rocket (Rust Web Framework), React
Developer Tools: Git, Linux, VS Code, Visual Studio, PyCharm, IntelliJ, Vim