Caroline Ausema

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SKILLS

Languages: C, Java, Python, JavaScript, C++, C#, LaTeX, SQL
Tools: Git, React, Angular, Next.js, Node, AWS, flask, Docker, Jira, Kubernetes, Jenkins, Azure
Additional: Object-Oriented Programming, Agile Methodologies, Linux/MacOS/Windows Proficient

EDUCATION

Purdue University   West Lafayette, IN
Bachelor of Science in Computer Science   *AUG '20 - MAY '24*

- Activities: Honors College, Computational Art Circle (President), Ace Campus Food Pantry, Hack the Future, Sociology Minor, Big Data Big Impact, Purdue Powerlifting
- Relevant coursework: Data Structures & Algorithms, Computer Architecture, Systems, Programming, Multivariate Calculus, Operating Systems, Artificial Intelligence

WORK EXPERIENCE

PXEL Engineering Intern   Chicago, IL
West Monroe   *MAY '23 - AUG '23*

- Collaborated with Energy & Utility client to enhance interconnection for distributed energy resources. Made meaningful contributions to real-world software projects while gaining valuable insights into industry practices.
- Development: Angular, ASP.NET, C#.

Data Analyst Intern   Carmel, IN
Midcontinent ISO   *MAY '22 - AUG '22*

- Automated a manual, 15-month certification process in a full stack environment by developing a web application that ensures compliance of confidential cyber assets that are critical to the bulk electric system.
- Development: Angular, flask, Python. | Production: Jenkins, BlackDuck, Fortify, Docker.

PROJECTS

Next.js to p5.js Integration – *Personal Website*   JULY '23 – AUG '23

- Achieved dynamic visual effects on personal website with React functional components.

Shell – *Systems Programming*   MAR '22 – APR '22

- Created bash-inspired shell with wildcards, piping, .env variables, user history, and subshells.

Leadership Lafayette – *Hack the Future* (Team Lead)   OCT '21 – MAY '22

- Developed an app that collects and organizes multimedia public responses.
- Empowered team collaboration, assigned tasks, managed communication with project partners.

'ScanIn' Bike Scanner – *EPICS* (Team Lead)   AUG '21 – JAN '22

- Head of contact with Purdue's Department of Transportation while maintaining project database, leading web development tasks, presenting weekly progress, and assigning team responsibilities.

Ace Campus Food Pantry Digitization – *Big Data Big Impact* (Team Lead) JAN '21 – MAR '21

- Proposed concept, led project team, and implemented web app to track pantry inventory.