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Caroline E. Ausema

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EDUCATION

- Bachelor of Science in Computer Science (West Lafayette, IN) | *Purdue University* **AUG '20 – MAY '24**
 - *Activities:* Honors College, Computational Art Circle (President), Ace Campus Food Pantry, Hack the Future, Sociology Minor, Big Data Big Impact
 - *Relevant Coursework:* Data Structures & Algorithms, Computer Architecture, Systems Programming, Multivariate Calculus, Operating Systems, Artificial Intelligence
- Student Pilot (Valparaiso Regional Airport, IN) | *Region Flyers* **MAY '21 – AUG '22**
 - Piper Warrior II, Ninety-Nines member

WORK EXPERIENCE

- West Monroe (Chicago, IL) | *Software Engineering Intern* **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#.
- Midcontinent ISO (Carmel, IN) | *Data Analyst Intern* **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: Python, Flask, Angular. Production: Jenkins, BlackDuck, Fortify, Docker.
- Indiana Dunes State Park | *Park Ranger* **MAY '21 – AUG '21**

PROJECTS

- Next.js to p5.js Integration – *Personal Website* **JULY '23 – AUG '23**
 - Achieved dynamic visual effects by utilizing p5.js within React functional components.
- Taste of Tippecanoe Projector Show – *Tippecanoe Arts Federation* **APR '22 – JULY '22**
 - Generated programmed art and 3D models for video mapping in a multidisciplinary team.
 - Used two 30k lumen projectors to align art onto the Lafayette Courthouse at festival with over 35k attendees.
- Shell – *CS 252: Systems Programming* **MAR '22 – APR '22**
 - Created a bash-inspired shell with functionality for wildcards, redirection, piping, environmental variables, user history, and subshells.
- Leadership Lafayette Survey Collector – *Hack the Future* (Team Lead) **OCT '21 – MAY '22**
 - Oversaw six programmers in the development of an app that collects multimedia public feedback.
 - Empowered members to collaborate, managed team's communication with project partners.
- 'ScanIn' Bike Scanner – *EPICS* (Team Lead) **AUG '21 – JAN '22**
 - Works as head of contact with Purdue's Department of Transportation while maintaining project database, leading web development tasks, presenting weekly progress, and assigning responsibilities.
- Ace Campus food Pantry Digitization – *Big Data Big Impact* (Team Lead) **JAN '21 – MAR '21**
 - Proposed and launched an app that tracks pantry inventory. Coordinated meeting times, delegated tasks, and implemented product.

SKILLS

- *Programming Languages:* C, Java, Python, JavaScript, C++, C#
- *Relevant Technologies:* Git, Angular, React, Node.js, Flask, npm, AWS, Azure, Docker, RESTful APIs, Jenkins
- *Additional Skills:* Object-Oriented Programming, Agile Methodologies, Linux/MacOS/Windows Proficient