

CAROLINE AUSEMA

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EXPERIENCE

Solutions Engineering Analyst JULY 2024 - PRESENT
Deloitte LLP *Sacramento, CA*

- Solving multidimensional problems, improving solution performance, and generating value for clients.

PXEL Engineering Intern MAY 2023 - AUG 2023
West Monroe *Chicago, IL*

- Collaborated with Energy & Utility client on a web-based SaaS product that optimizes and enhances the interconnection process for distributed energy resources.
- Proposed and built dynamic pages to streamline application review and management.
- Development: Angular, ASP.NET, C#, Azure DevOps

Data Analyst Intern MAY 2022 - AUG 2022
MISO Energy *Carmel, IN*

- Automated a manual, 15-month certification process by developing a full-stack 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.

EDUCATION

Bachelor of Science in Computer Science AUG 2020 - MAY 2024
Purdue University *West Lafayette, IN*

HONORS COLLEGE, SOCIOLOGY MINOR

RELEVANT COURSEWORK Data Structures & Algorithms, Computer Security, Systems Programming,
Computer Networks, Operating Systems, Artificial Intelligence, Cryptography.

PROJECTS

Next.js to p5.js Integration — *Personal Website* JULY 2023 - AUG 2023
Achieved dynamic visual effects on personal website with React functional components, interacting with a variety of data sources including the Spotify API and TensorFlow Facial Recognition.

Taste of Tippecanoe Projector Mapping — *Tippecanoe Arts Federation* APR 2022 - JULY 2022
Generated programmed art and 3D models for video mapping with a multidisciplinary team. Used two 30k lumen projects to align art onto the Lafayette Courthouse at festival with over 35k attendees.

Shell — *Systems Programming Course* MAR 2022 - APR 2022
Created bash-inspired shell with wildcards, piping, .env variables, user history, and subshells.

Leadership Lafayette — *Hack the Future* (Team Lead) OCT 2021 - MAY 2022
Led development team as a product manager & worked as a developer on an app that collects multimedia public feedback for local non-profit. Empowered development team to collaborate and delegated tasks.

‘ScanIn’ Bike Scanner — *EPICS* (Team Lead) AUG 2021 - JAN 2022
Managed communication with Purdue’s Department of Transportation, overseeing project database, coordinating web development efforts, delivering weekly progress reports, and delegating team responsibilities.

‘Ace Campus Food Pantry’ Digitization — *Big Data, Big Impact* (Team Lead) JAN 2021 - MAR 2021
Proposed concept, led project team, and implemented web app to track pantry inventory.

SKILLS

Languages C, Java, Python, JavaScript, C++, C#, TypeScript, LaTeX, SQL.

Tools Git, React, Angular, Next.js, Node, AWS, flask, Docker, Jira, Kubernetes, Jenkins, Azure.

EXTRA-CURRICULAR ACTIVITIES

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- Computational Art Circle (President), Ace Campus Food Pantry, Hack the Future, Purdue Powerlifting
 - Student Pilot: Piper Warrior II, Ninety-Nines Member, Region Flyers