CAROLINE AUSEMA

carolineeausema@gmail.com ⋄ linkedin.com/in/caroline-ausema ⋄ carolineausema.vercel.app

EDUCATION

Computer Science B.S., Purdue University　　　　　　　　　　　　　　　　　　　　AUG '20 - MAY '24
Relevant Coursework　Data Structures & Algorithms, Computer Architecture, Systems Programming,
　　　　　　　　　　　　　Multivariate Calculus, Operating Systems, Artificial Intelligence, Cryptography.

EXPERIENCE

PXEL Engineering Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　MAY '23 - AUG '23
West Monroe　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*West Lafayette, IN*

- Collaborated with Energy & Utility client on an application that enhances the interconnection
  process for distributed energy resources. Built dynamic pages for application review and organization.
- Development: Angular, ASP.NET, C#.

Data Analyst Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　MAY '22 - AUG '22
MISO Energy　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Carmel, IN*

- 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.

Personal Device Technician　　　　　　　　　　　　　　　　　　　　　　　　　MAY '20 - AUG '20
K12 Tech　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Michigan City, IN*

- Repaired, cleaned, and restored student devices. Installed district-specific software onto units.

PROJECTS

Next.js to p5.js Integration — *Personal Website*　　　　　　　　　　　　　　　JULY '23 - AUG '23
　Achieved dynamic visual effects on personal website with React functional components, interacting with
　a variety of data sources including the Spotify API and TensorFlow.

Taste of Tippecanoe Projector Mapping — *Tippecanoe Arts Federation*　　　　　APR '22 - JULY '22
　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 '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
　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 '21 - JAN '22
　Managed communication with Purdue's Department of Transportation, overseeing project database, coor-
　dinating web development efforts, delivering weekly progress reports, and delegating 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.

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.
Additional	Technical Writing, Public Speaking, Adaptability, Collaboration, Time Management.

EXTRA-CURRICULAR ACTIVITIES

- Honors College, Sociology Minor, Region Flyers Student Pilot
- Computational Art Circle (President), Ace Campus Food Pantry, Hack the Future, Purdue Powerlifting