

Amy Sharin

ars369@cornell.edu |  | <https://www.linkedin.com/in/amy-sharin/>

EDUCATION

Cornell University

Ithaca, NY | Expected May 2025

Bachelor of Science in Computer Science, GPA: 3.81 / 4.0

Specialized Coursework: Machine Learning, Databases, Backend Development, Trends in Web Development

EXPERIENCE

Software Engineering Intern, Comcast

Philadelphia, PA | May 2023 - Aug 2024

May 2024 - Aug 2024

- Innovated 10G network signal ideas and automated their integration to a data service via AWS Step Function
- Built Java GraphQL resolvers and schema to deliver device status updates, resulting in company-wide adoption
- Enhanced API security by implementing new scopes and queries, preventing unauthorized access
- Expanded AWS Env Var capacity by 50% and transitioned to Secrets Manager for scalability and security

May 2023 - Aug 2023

- Utilized AWS Glue to analyze alert data, enriched AWS TimeStream table, and translated insights into a Grafana time series dashboard, enhancing data-driven decision-making
- Developed a Python-based Slack messaging Lambda to mitigate rate limits and ensure reliable communication
- Modernized Lambda deployment by transitioning to serverless architecture and optimizing Terraform resources
- Optimized CI/CD pipeline, yielding time savings of up to 30% per run during deployments

Consultant, Cornell College of Computing and Information Science

Ithaca, NY | Jan 2023 - Present

Course: Object-Oriented Programming and Data Structures

- Conducted 200+ office hours, assisting students with Java programming assignments and exam preparation
- Collaborated in grading assignments and exams of over 700 students in the course

PROJECTS

Vinyl Collection App, [Github](#)

Python, SQLAlchemy, Flask, Google Cloud, AWS S3

- Developed an iOS app for users to track, organize, and share their vinyl collections
- Programmed backend routes and database, collaborated with an iOS developer, and integrated Spotify API data

Embedded Systems Car Game, [Project Link](#)

C, JavaScript, Express.js

- Processed FRDM-KL46Z inputs with C code, integrating accelerometer controls into a JavaScript car game

ACTIVITIES AND LEADERSHIP

Women In Computing (WICC) Mentorship

Ithaca, NY | Sep 2023 - Dec 2023

- Mentored four CIS students, facilitating their academic and college development through personalized guidance

Cornell University ChemE Car, Battery Subteam Lead

Ithaca, NY | Oct 2021 - Jun 2023

- Led a team of 5 to engineer an Aluminum Air battery, managed deliverables and lab work, secured 2nd regionally

WICC Technical Committee, [Website Link](#)

Ithaca, NY | Feb 2024 - Present

- Updated and maintained the React WICC website in collaboration with designers, enhancing user experience

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, C, OCaml

Tools and Skills: Git, AWS, React, Docker, Concourse CI/CD, Terraform, Machine Learning, Agile Methods, Jira