Ananya Seelam

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EDUCATION

Cornell University, College of Engineering - Ithaca, New York   Expected Graduation: May 2024

Bachelor of Science in Computer Science, Minor in Inequality Studies

GPA: 3.76 | **Awards:** Dean's List (Fall 2021 – Spring 2023) | **Conferences:** Grace Hopper Celebration 2022 & 2023

Relevant Coursework: Object-Oriented Programming and Data Structures, Discrete Structures, Functional Programming, Analysis of Algorithms, Computer Vision, Computer System Organization, Machine Learning, Operating Systems

Campus Involvement: Women in Computing Cornell, Hack4Impact, HCI Research (CSCW acceptance), Teaching Assistant

PROFESSIONAL EXPERIENCE

Google

Software Engineering Intern | Washington, D.C.   May 2023 – Aug. 2023

- Worked on the Electric Vehicle (EV) team in Google Search to display EV information on desktop EV related searches
- Migrated current desktop version of a UI feature that appears on car searches from a legacy framework to a new framework that can display EV Financial Incentives and EV Charging information in a more efficient way
- Collaborated with PM, UX Designer, and engineers to create a detailed design document of the feature migration
- Modified existing code with JavaScript, CSS, and Java for the UI rendering logic along with C++ for backend logic
- This user-facing feature is expected to reach an estimated 100k new monthly active users upon launch

IBM Research

Quantum Software Developer Intern | New York, New York   May 2022 – Aug. 2022

- Created a dashboard that displays a graph-like diagram to show the health of about 10 micro-services that run jobs on IBM's Quantum Computer along with dependencies between the services
- Empowered engineers to respond to outages by visually surfacing dependencies between affected services
- Developed the full-stack application using Vue.js, Node.js, Express.js, Socket.io, PostgreSQL, and the PagerDuty API
- Enforced code quality through Jest unit testing, Travis CI, and frequent rigorous code reviews

AI-Learners Startup

Software Developer | Ithaca, New York   Dec. 2020 – Dec. 2021

- Advanced the development of a personalized math e-learning platform for children with ADHD, Autism and Rhett
- Developed early-stage website built for user testing for children with disabilities on a team of 12 developers
- Used Firebase to store user data and React to build responsive UI components for desktop and mobile users

Dell Technologies

Software Engineering Intern | Remote   Jun. 2021 – Sep. 2021

- Developed a full-stack project using Chaos Engineering to improve resiliency of the On-Premise Cloud Control (OPCC) software used by Dell's APEX Cloud Services by injecting failures into the system and seeing how it reacts
- Built the dashboard with a Chaos Engine and responsive UI using MongoDB, Express.js, Angular.js, and Node.js
- Empowered engineers to inject failures into the OPCC and receive detailed logs on how the system responds
- Used Litmus which utilizes Kubernetes to manage chaos workflows and deployed a REST API server communicate data

LEADERSHIP AND CAMPUS INVOLVEMENT

Cornell Hack4Impact | Ithaca, NY   Sep. 2020 - Present

- *Co-Director* - Currently a Co-Director leading a team of 60 student developers, designers, and business members to design, build, and deploy 4-5 software projects each year for social impact organizations around the world
- *Technical Lead* – Led a team of 6 student developers and 3 designers to build a website using the ERN stack for the Earth Law Center that allows legislators to easily create high quality eco-centric laws (earth-law-center.herokuapp.com)
- *Developer* - Constructed a database using MongoDB and aggregated/filtered data for Farmworkers Justice, a nonprofit raising awareness of farmworker injustice, to create a web application that will visualize farmworker data

Undergraduate Teaching Assistant | Ithaca, NY   Jan. 2022 – Present

- Delivering course materials for *CS 3110 Functional Programming and Data Structures* by co-leading a weekly discussion section of 30 students, holding office hours, attending staff meetings, and grading assignments

TECHNICAL SKILLS

Skills: React | React Native | Vue | Express | Node | Angular | CSS | Socket.io | Git | MongoDB | NumPy | Jest | Docker

Programming Languages: Java, JavaScript, Python, OCaml, SQL, C/C++, Typescript