

# Ananya Seelam

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## EDUCATION

**Cornell University, College of Engineering** - Ithaca, New York

Expected Graduation: May 2024

Bachelor of Science, Computer Science

**Minors:** Inequality Studies

**GPA:** 3.6 | **Scholarships:** IBM Thomas J. Watson Scholarship

**Relevant Coursework:** Object Oriented Programming and Data Structures (Java), Multivariable Calculus for Engineers, Linear Algebra, Discrete Structures, Functional Programming (OCaml), Data Science for Engineers (Python)

## PROFESSIONAL EXPERIENCE

**AI-Learners Startup, Software Developer** – Ithaca, NY

December 2020 - Present

- Working on a team of about 30 students to build a math e-learning platform that creates personalized games for children with ADHD, Autism, and Rhett Syndrome using their game play data and what types of assistive technology they use
- Currently working as a full stack developer for their website using Firebase and React to store user data and build responsive UI components along with shadowing the backend team to learn about how they use machine learning to recommend games

**Dell Technologies Software Intern** (Infrastructure Solutions Group) – Remote

June 2021 - September 2021

- Developed a full stack project that uses Chaos Engineering to improve the 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
- Used MongoDB, Express.js, Angular.js, and Node.js to build a Chaos Engine along with a responsive UI that allows developers to inject failures into OPCC and receive detailed logs on how the system responded
- Used Litmus which utilizes Kubernetes, a system for deploying containerized applications, to manage chaos workflows and created a REST API server to handle and communicate data between the server and chaos engine
- Worked with three other interns and received mentorship from four senior developers in an agile team environment to build the system in less than 12 weeks and showcased our work in a final demo which we presented to senior management

## LEADERSHIP AND CAMPUS INVOLVEMENT

**Cornell Hack4Impact, Software Developer** – Ithaca, NY

September 2020 - Present

- Currently building a backend database using MongoDB for Farmworkers Justice, a nonprofit helping raise awareness to injustices faced by farmers, to create a web application that will visualize farmworker data (their pay, immigration status, etc)
- Helped create a web application for Life Camp, a nonprofit helping youth affected by violence to stay in school, to streamline their survey data and visually show the information collected on graphs with filters based on location and request type
- On the executive board as an external relations coordinator where I organize the team's Instagram, brainstorm blog post ideas for our medium.com website and organize guest speakers to come to our club meetings

**Cornell Girls Who Code, Volunteer, Co-Leader** – Ithaca, NY

September 2020 - Present

- Mentoring and tutoring 20 high school students in Ithaca by helping them develop individual programming projects in python to teach them the fundamentals of python and help them build confidence in programming
- Currently co-leading the class by creating and delivering course material and leading a group of volunteers (8 hrs/week)

**Alliance for Climate Education (ACE), Senior Fellow** - Raleigh NC

August 2018 - Present

- Chosen to attend the UN Global Climate Action Summit in New York as part of the ACE youth reporting delegation where I spoke to about 6 youth activists about their work to help amplify their voices
- Lobbied at NC state legislature and spoke at city council meetings for better local environmental regulations
- Phone banked and helped with a postcard campaign (wrote 500 postcards to youth around the country) to get hundreds of youths registered to vote during the 2020 election

## TECHNICAL SKILLS

- Proficient in C++, Java, JavaScript, Python, OCaml, React, and React Native
- Experience with Agile, Waterfall, and other software methodologies, JUnit Testing, and building REST APIs
- Experience with MongoDB, Express.js, Angular.js, and Node.js

## PROJECTS

**SummerHacks Covid-19 Risk App (Python and React Native)**

May 2020 - August 2020

- Created a cross platform mobile app that calculates risk of getting Covid-19 at a specific location (i.e a restaurant, park, etc) based on new Covid-19 cases per hundred thousand in the location's county, popular times, and location type
- Utilized Python with Flask web framework to create the backend and React Native for UI design