

# Samantha L. Lee

[samantha.lin.lee@gmail.com](mailto:samantha.lin.lee@gmail.com) · [samanthallee.me](http://samanthallee.me) · LinkedIn: [SamanthaLLee](#) · Github: [SamanthaLLee](#)

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## EXPERIENCE

### Software Engineer @ Microsoft

Aug 2022 – present

- Improve the UI of identity management platforms to increase and expedite security measures in M365 services

### Head Teaching Assistant @ Rutgers University

Sep 2020 – May 2022

- Managed lesson plans, Q&A forum, and grading for 650+ undergraduate students in Data Structures in Java
- Led weekly recitations of 40+ undergraduates by practicing accessible and inclusive pedagogical strategies

### Software Development Engineering Intern @ Audible, Inc.

Jun 2021 – Aug 2021

- Upgraded the special promotion section of the Audible buy box in Java to minimize code redundancy, centralize logic, mitigate error boundaries, and improve consistency across buy boxes
- Designed BOGO API while following existing architectural standards to integrate section into website framework

### Application Development Intern @ The Vanguard Group

May 2020 – Jul 2020

- Consumed AWS services (DynamoDB, CloudFormation, Kinesis, Lambda, and S3) and Qlik to establish ERISA compliance across brokerage data by developing a change data capture algorithm that marks eligible accounts
- Fetched several years' worth of brokerage data in Java and Python and improved runtime efficiency by 90%

### Research Assistant @ InfoSeeking Lab

Jan 2019 – Oct 2019

- Updated a web app in PHP that helps researchers design and run information retrieval studies
- Built a Chrome Extension that collects browsing data in JavaScript to simplify behavioral research
- Employed SQL, Laravel, and Python to organize multiple streams of data for downstream machine learning

## PROJECTS

### LGBTQ+ Policy Map | Out in Tech U Mentorship Program

Spring 2021

- A visualization of America's legislative activity and LGBTQ-related policies; built with Next.js and Python

### EZSlides | HackRU Spring 2021 Hackathon [Winner]

Spring 2021

- A script that processes live and pre-recorded videos to extract text in slideshows; built with Python

### Pink Lemonade | Estée Lauder's 2020 Hack for Pink Hackathon [Finalist]

Fall 2020

- A web app that suggests recipes with ingredients that fight against breast cancer; built with JavaScript

## LEADERSHIP & ACTIVITIES

### Volunteer Political Analyst | Bluebonnet Data

Sep 2020 – May 2022

- Led team of three to aggregate US data from multiple sources with Python, SQL, and Excel to identify locations vulnerable to fossil fuel projects on county, district, and city levels for Lead Locally, a nonprofit
- Visually mapped American voter information using JavaScript to help campaigns fight against climate change

### Founder & President | Rutgers Ethical Technology Club (Ethitech)

Jul 2020 – May 2022

- Established financial, structural, and logistic precedence for a new club dedicated to using tech and data for good
- Organized weekly workshops dedicated to education, technical development, Socratic discussion, and activism

### President & Hackathon Director | Rutgers Women in Computer Science

Apr 2020 – May 2022

- Managed \$50k+ in finances, sponsorship, marketing, outreach, and events by delegating tasks to 7 committees, overseeing upwards of 60 volunteers, and making executive decisions to iteratively improve club initiatives
- Coordinated annual hackathon for gender minorities to nurture community of 650+ university students

## SKILLS

- **Programming:** Java, C, JavaScript, TypeScript, Python
- **Web Development:** JSP, SQL, PHP, Laravel, React, Next.js, Gatsby, Bootstrap, HTML/CSS
- **Other:** AWS (Certified Cloud Practitioner), Chrome Developer Tools, Git, Civi, NGP VAN

## EDUCATION

### Rutgers University, New Brunswick, NJ

Sep 2018 – May 2022

- B.S. in Computer Science and Cognitive Science, **Minor** in Political Science
- **Honors:** SAS Honors Program, Phi Beta Kappa, Douglass Residential College for Women
- **GPA:** 3.9 / 4.0