Samantha L. Lee

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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

EXPERIENCE

Software Engineer @ Microsoft *Aug 2022 – present*

- Improve security and authentication 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, Python
- **Web Development:** JSP, SQL, PHP, Laravel, React, Next.js, Gatsby, Bootstrap, HTML/CSS
- **Other:** AWS (Certified Cloud Practitioner), Chrome Developer Tools, Git, Civis, NGP VAN