

# Maaheen Maajed

[maaheen-maajed@outlook.com](mailto:maaheen-maajed@outlook.com) • [linkedin.com/in/maaheen-maajed](https://linkedin.com/in/maaheen-maajed)  
[github.com/mmishere](https://github.com/mmishere) • [mmaajed.com](https://mmaajed.com)

## EDUCATION

---

### University of Illinois Urbana-Champaign

*Bachelor of Science in Computer Science and Anthropology, Minor in Creative Writing*

Dec 2023

GPA: 3.95/4.00

## EXPERIENCE

---

### Amazon Web Services

May 2023 – Present

*Software Development Engineer Intern*

- Created an API to process and show launch information about 200+ AWS services across 99+ regions using Java, DynamoDB, API Gateway, Smithy, Lambda, Pipelines, and CloudFormation for customers to view launches in a customizable timeframe and plan their use of AWS products accordingly
- Automated logging for API calls and stored in CloudWatch Logs to facilitate error handling and detection
- Created comprehensive unit tests with over 80% code coverage using Mockito to ensure code correctness
- Created frontend in React integrated it with launch information API to display on front page of user-facing website so users can easily access launch information

### Cargill

May 2022 – May 2023

*Full Stack Software Engineering Intern*

- Worked in an Agile team to create parameterized scripts for a 500% growth in data observability on SQL databases, and created automated, deterministic tests for these scripts
- Sped up data validation by 1200x using Python, pandas, NumPy, Matplotlib, and statsmodels by checking that data schemas were correct and data volume was within valid ranges, and searching for statistical outliers
- Automated email alerts to send to specified users for manual review of potential data anomalies
- Designed and implemented Power BI dashboard, and created automated pipeline to transfer environmental data into SharePoint Lists and Power BI

### University of Illinois Campus Police

Sep 2021 – Sep 2022

*Campus Police Programming Analyst*

- Conducted anthropological research supervised by Professor Jeff Martin, including focus groups and qualitative analysis through NVivo software, to determine UIUC student opinions of the campus police
- Redesigned frontend and improved content of the UIPD website to make information more accessible to students

### Summer of Side Projects at Illinois

May 2021 – Jun 2022

*Outreach Coordinator and Staff*

- Worked on outreach to get 400+ student signups for the SOSP startup and to secure over \$1000 of funding from various corporations
- Provided guidance for classes of 400+ students in creating 100+ side projects
- Managed content on the site by writing and editing technical tutorials about various libraries and tools

### Department of Computer Science at Illinois

Jan 2021 – Present

*Intro to Computer Systems Course Staff*

Jan 2023 – Present

- Conducted office hours to teach 180+ students fundamental systems programming concepts in C and Python
- Constructed exam questions to test students' systems programming knowledge

*Intro to Computer Science Senior Staff*

Jan 2021 – May 2022

- Led 240+ staff to assist in teaching a course with 1000+ undergraduate students
- Taught programming fundamentals in Java and Kotlin through office hours and the course forum
- Designed and implemented a staff mentorship program for more experienced staff to mentor junior staff
- Mentored 6 Course Associates to help them progress towards Senior Course Staff

## TECHNICAL SKILLS

---

**Languages:** C++, C, Python, Java, Kotlin, HTML, CSS, OCaml, Javascript, SQL

**Developer Tools:** Git, VS Code, IntelliJ, Linux CLI, Power BI

**Libraries/Frameworks:** NoSQL, pandas, NumPy, Matplotlib, CMake, SQLAlchemy, sqlite3, Catch2, pytest, React, Flask, Mockito