# Maaheen Maajed

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## EDUCATION

| **University of Illinois - Urbana-Champaign** | Dec 2023 |
|---|---|
| *Bachelor of Science in Computer Science and Anthropology, Minor in Creative Writing* | GPA: 3.94/4.00 |

## EXPERIENCE

**Amazon Web Services**  —  May 2023 – Aug 2023
*Software Development Engineer Intern*
- Developed an API to process and display information about 200+ AWS services across 99+ regions using Java, DynamoDB, API Gateway, Smithy, Lambda, and CloudFormation for customers to view this information in a customizable timeframe and adjust their use of AWS products accordingly
- Automated logging for API calls and stored logs in CloudWatch Logs to facilitate error handling and detection
- Designed unit tests with over 75% code coverage using JUnit, Mockito, Jest, and ReactTestUtils
- Built frontend with React, TypeScript, and AWSUI, integrated it with the launch information API, and displayed it on the front page of the user-facing website

**Department of Computer Science at Illinois**  —  Jan 2023 – Dec 2023
*Intro to Computer Systems Course Staff*
- Conducted office hours to teach 180+ students fundamental systems programming concepts using C, Python, Docker, CMake, HTTP, AWS S3, and Redis
- Constructed exam questions to test students' systems programming knowledge

**Cargill**  —  May 2022 – May 2023
*Full Stack Software Engineering Intern*
- Developed parameterized scripts to grow data observability on internal SQL databases by 500%
- Sped up data validation by 1200x using Python, pandas, NumPy, Maplotlib, and statsmodels
- 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*
- Conducted outreach to get 400+ student signups for SOSP and over $1000 of funding from various companies
- Wrote and edited technical tutorials regarding chatbots, Flask apps, CLI programs, and video games to help students create 100+ side projects

**Department of Computer Science at Illinois**  —  Jan 2021 – May 2022
*Intro to Computer Science Senior Staff*
- Co-led 240+ undergraduate and graduate staff to assist in teaching a course with 1000+ undergraduate students programming fundamentals in Java and Kotlin
- 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

## EXTRACURRICULAR INVOLVEMENTS

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|---|---|
| Rewriting the Code | Apr 2022 - Present |
| Phoenix Improv Company | Aug 2022 - Present |

## TECHNICAL SKILLS

**Languages**: C++, C, Python, Java, Kotlin, HTML, CSS, OCaml, JavaScript, TypeScript, SQL
**Developer Tools**: Git, IntelliJ, Linux CLI, Power BI, VS Code
**Libraries/Frameworks**: CMake, DynamoDB, Flask, Matplotlib, NoSQL, NumPy, pandas, React JS, SQLAlchemy
**Testing**: Catch2, Jest, JUnit, Mockito, pytest, ReactTestingUtils