

Maaheen Maajed

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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

- Developed an API to process and display 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 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 to allow users to easily access launch information

Department of Computer Science at Illinois

Jan 2023 – Present

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, Matplotlib, 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

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, VS Code, IntelliJ, Linux CLI, Power BI

Libraries/Frameworks: NoSQL, pandas, NumPy, Matplotlib, CMake, SQLAlchemy, sqlite3, ReactJS, Flask

Testing: pytest, Mockito, Jest, JUnit, ReactTestingUtils, Catch2