

Maaheen Maajed

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EDUCATION

University of Illinois at Urbana-Champaign

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

Honors: Dean's List (Fall 2020, Spring 2021, Fall 2022, Spring 2022)

Expected Graduation: *December 2023*

GPA: 3.97/4.00

EXPERIENCE

Full Stack Software Engineering Intern

May - August 2022

Cargill

- Created parameterized scripts using Python, SQL, pandas, and numpy to validate data
- Ensured that data schemas were correct, data volume was within valid ranges, and that values stayed within certain statistical measures, including IQR and z-score
- Set up email alerts to trigger manual review if any anomalies exist in data

Campus Police Programming Analysis

Fall 2021 – Fall 2022

- Conducted anthropological research under Professor Jeff Martin, including focus groups and qualitative analysis through NVivo software, to determine UIUC student opinions of the campus police.
- Presented findings to police and was hired to help redesign their website in response to student needs.

Outreach Coordinator and Staff

Summer 2021, Summer 2022

Summer of Side Projects @ UIUC

- Worked on outreach to get student signups for a class of 400+ students and to secure over \$1000 of corporate funding
- Assisted on the course staff for informal classes of 400+ students in creating 100+ side projects
- Managed content on the site, wrote and edited technical tutorials to teach libraries and tools
- Revised 8 resumes submitted by students

Intro to Computer Science Course Staff

Department of Computer Science at UIUC

Senior Course Staff

Spring 2022

Course Associate

Fall 2021

Course Assistant

Spring 2021

- 1 of 5 Senior Course Staff leading 240+ staff to assist in teaching a course with over 1000+ undergraduate students
- Taught fundamental programming concepts in Java, Kotlin, and Android through virtual office hours and the course forum
- Designed and implemented staff mentorship program to let more experienced staff provide personal guidance to newer staff
- Personally mentored 6 Course Associates through staff mentorship program to help them progress towards Senior Course Staff
- Developed 3 multimedia audio/code walkthroughs to supplement lectures, to teach imperative and object-oriented programming

PROJECTS

Wikipedia – C++, Catch2

Fall 2021

- Processed a subset of Wikipedia's database, constructed and ran Kosaraju-Sharir and Floyd-Warshall algorithms to determine if there is a path between two articles, to find the shortest path if it exists, and to find the most used articles for all shortest paths

CyberBot2020 – Python, discord.py, sqlite3

Summer 2021

- Discord chatbot that stores Cyberpunk 2020 and Cyberpunk Red characters in an online database; automatically calculates character stats; posts character info in a formatted message; users can edit their own characters

SKILLS

- **Computer Languages:** C++, Python, Java, Kotlin, Javascript, HTML, CSS
- **Tools:** pandas, numpy, React, CMake, Android, GUI (tkinter), SQL databases, unit testing (Catch2, pytest)