

# Maaheen Maajed

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## EDUCATION

**University of Illinois at Urbana-Champaign**

Expected Graduation: *May 2024*

**Major:** Computer Science & Anthropology

GPA: *3.97/4.00*

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

## EXPERIENCE

### Intro to Computer Science Course Staff

*Head Course Associate*

Spring 2022 - Present

*Course Associate*

Fall 2021

*Course Assistant*

Spring 2021

- 1 of 4 Head Course Associates leading over 240 Course Associates and Assistants for a course with over 1000 undergraduate students each semester
- Taught fundamental programming concepts in Java and Kotlin through virtual office hours and the course forum
- Developed multimedia audio/code walkthroughs to teach concepts of imperative and object-oriented programming
- Helped students with Android development and general programming in virtual office hours

## PROJECTS

### CS 125 Summer of Side Projects: <http://125summer.tech> – *Group Project, extracurricular*

May – July 2021

- Assisted on the course staff for an informal class of 162 students in creating 65+ side projects over the summer
- Managed content on the site, wrote and edited technical tutorials to teach libraries and tools

### Cyberpunk 2020 DM Kit – *Personal Project*

May 2021 – Present

- Technology used: Python, with: Peewee, tkinter, jsonpickle
- A tool to help people play the tabletop game Cyberpunk 2020.
- Includes: a full UI; database of all items, weapons, etc.; users can create and store player and non-player characters and items; the program can easily calculate and apply damage to characters

### Wikispeedia – *Group Project*

Fall 2021

- Technology used: C++, with: Catch2
- Processed a subset of Wikipedia's database, constructed and ran graph algorithms on it to determine the most "important" articles, and to find the shortest path between two given articles

### COAST and REACH Outreach Program – *Group Project*

August 2021 – Present

- Worked under anthropology professor Jeff Martin to construct and present ideas to improve outreach of two police programs, COAST and REACH, to improve police relations with the campus community

### CyberBot2020 – *Personal Project*

Summer 2021

- Technology used: Python, with: discord.py, sqlite3
- Discord chatbot that stores Cyberpunk 2020 / Cyberpunk Red characters in an online database; automatically calculates character stats; posts character info in a formatted message; users can remove their own characters

## SKILLS

- **Computer Languages:** C++, Python, Java, Kotlin, HTML, CSS
- **Tools:** React, CMake, UNIX CLI development, Android, GUI (including tkinter), SQL + databases, Microsoft Office + Microsoft Excel, Agile development, unit testing (Catch2 and others)