

# Maaheen Maajed

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## EDUCATION

**University of Illinois at Urbana-Champaign, Urbana, Illinois**

Expected Graduation: *May 2024*

**Intended Major:** Computer Science & Anthropology

Cumulative GPA: *3.92/4.00*

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

## EXPERIENCE

**Department of Computer Science at UIUC**

Fall 2021 – Present

*Course Associate / CS 124 (Intro to Computer Science)*

- Taught fundamental programming concepts in Java and Kotlin to a course with over 1000 undergraduate students 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 programming questions in virtual office hours

**Department of Computer Science at UIUC**

Spring 2021

*Course Assistant / CS 125 (Intro to Computer Science)*

- Taught fundamental programming concepts in Java, as described above
- Developed multimedia audio/code walkthroughs, as described above
- Helped students in virtual office hours, as described above

**Other Affiliations:** Anthropology Club (Fall 2020 – Present)

## PROJECTS

<http://125summer.tech>: CS 125 Summer of Side Projects - *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

Chess - *Group Project*

Spring 2021

- Technology used: C++, with: nlohmann::json, SQLite ORM, cpp-httplib
- Frontend for chess program: uses HTTP to take in/process user input, display chess board, and store/retrieve info on past games

Wikia Category Scraper - *Personal Project*

Summer 2021

- Technology used: Python, with: Requests, BeautifulSoup
- Scrapes Wikia/Fandom website category pages, creates text files for each category, then inserts all article titles and links in files

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

Command Line Navigator - *Personal Project*

Summer 2021

- Technology used: Python, with: Plumbum, PyFiglet, Questionary
- Replaces the cd command in the CLI, allowing users to jump between folders in a more nicely formatted way

Halloween Shooter - *Personal Project*

Summer 2021

- Technology used: Python, with: Pygame
- User plays as a character with 3 lives who must avoid being hit by enemies to survive and kill them by shooting bullets

## SKILLS

**Computer Languages:** C++, Python, Java, Kotlin, HTML, CSS, Verilog

**Tools/Frameworks:** Libraries mentioned, CMake, UNIX CLI development, Android, GUI, SQL, Microsoft Office + Excel