Maaheen Maajed

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EDUCATION

University of Illinois at Urbana-Champaign, Urbana, Illinois   Expected Graduation: *December 2023*
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: takes in and processes user input, displays updated board, and stores/retrieves info on past games

Wikia Category Scraper - *Personal Project*   Summer 2021
- Technology used: Python, with: Requests, BeautifulSoup
- Scrapes Wikia/Fandom 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

Tools/Frameworks: Libraries described in projects, CMake, CLI development, GUI development Android, Regex