

Hammad Saeed

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EDUCATION

The City College of New York

New York, NY

B.S. in Computer Science, Minor in Chemistry

Intended May 2022

- Relevant Coursework: Data Structures and Algorithms, Software Design Laboratory, Relational Databases, Functional Programming Paradigms (Scheme), Scientific Programming, Computer Graphics (Spring 2021), Senior Capstone in Game Development (Spring 2021), Topics in Software Engineering (Spring 2021), Mathematical Optimization Techniques (Spring 2021), Operating Systems (Spring 2021)

CodePath University-IOS Mobile Development

Spring 2021

- Weekly app projects and labs and an original group app. A read-write twitter client that allows users to view and compose tweets using the Twitter API, A read-only movie browsing app similar to Rotten Tomatoes, A read-write Instagram-style app built from the ground up using a custom configured backend.

TECHNICAL SKILLS

Languages: C/C++, Python3, SQL, Java, Javascript

Technologies: Django, Bootstrap, SQLServer, various Linux distributions. Some experience with MongoDB, postman, and Node.js

EXPERIENCE

Programming Instructor

June to August 2020

SPURIQ

San Francisco, CA

- Designed a 2-month Python course with syllabus, weekly assignments, and lecturer notes.
- Created a HTML and CSS course template outlining weekly outcomes and necessary resources for course completion.
- Instructed students on how to use game development software and introduced lua scripting in Roblox Studio

Teaching Assistant

Fall 2020

City College of New York

New York, NY

- Computer Science Department T.A. for Introduction to Computing classes of 40-60 students

PERSONAL PROJECTS

Blog Application | *Django, Bootstrap, SQLite*

Spring 2021

- * A full stack blog application using Django, Bootstrap, and SQLite. Users have the ability to post, create/customize user-profiles, and comment on other blog-posts. Forms made using crispy-forms. Mobile friendly. ReadMe with Gif

Animated Triangle | *C++, GLM, glew, SDL2*

Summer 2020

- * Created a screen Saver type animation with shader based OpenGL of a floating triangle.

Market-Scraper | *Python3, BS4*

Spring 2019

- * Created a python web-scraping script that reads tabled data from the Market-Watch Website of real-time quotes, writes to a txt file. 4 lines of reading.

Empire Strikes Back | *Python3, PyGame*

Fall 2019

- * Created a retro-syled 2D shooter similar to alien invasion but Star Wars themed. Used gimp to create sprites, and the PyGame Module for development. game (src files).

TRIVIA

Languages: Urdu(native), Hindi(fluent), Spanish(conversational), Russian(when I have time)