Hammad Saeed

917-463-7954 | hsaeed.4209@gmail.com | linkedin.com/in/hammad-s | github.com/hammadus

EDUCATION

The City College of New York New York, NY
B.S. in Computer Science, Minor in Chemistry. GPA 3.33 *Intended May 2022*

- Relevant Coursework: Data Structures and Algorithms, Software Design Laboratory, Relational Databases, Programming Language Paradigms, Scientific Programming, Fundamentals of Computer Systems
- SHPE: Worked with club-members to create routes on the back-end for the SHPE website using node.js
- ACM: participated in outreach for technical interview workshops and general activities hosted by the club.

TECHNICAL SKILLS

Languages: C/C++, Python3, Java, Javascript, HTML/CSS, Shell
Technologies: Django, Bootrap, Node.js, Postman, MongoDB, zshell, various Linux distributions
Version Control: Git, Bitbucket

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

Engineering Design Intern Oct. 2018 – May 2019
SOTERIX MEDICAL *New York, NY*

- Used software (Multisim, Ultiboard) and Data Sheets to create model Integrated Circuits for prototype boards
- Aided design engineer in creating mock-up non-catalog chips needed for circuit boards
- Created documentation for design aspects of medical devices: bill of materials, change logs

Teaching Assistant Spring 2019 – Current
City College of New York *New York, NY*

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

PERSONAL PROJECTS

Animated Triangle | *C++, GLM, glew, SDL2* Summer 2020
  ∗ Used OpenGL library to create a floating triangle animation with 3D perspective, created shaders and meshes.

Market-Scraper | *Python3, BS4* Spring 2019
  ∗ Used the BS4 python module to scrape the MarketWatch Website index and write 3 forms of columned data to a plain text file.

Empire Strikes Back | *Python3, PyGame* Fall 2019
  ∗ Used PyGame Library to make a Star Wars 2D game shooter, used sprites to animate attackships.

Tip Calculator | *Swift* Summer 2018
  ∗ Created an ios application for iPhone that calculates the percentage of tip based on billing amount

ABOUT ME

Languages: Urdu(native), Hindi(professional), Spanish(conversational)
Interests and Hobbies: Acrylic Painting, Digital Art, Etymology
Volunteering: Top-Honors Mathematics Instructor, Park Conservation-Prospect Park Alliance member
Currently: Co-creating a marketplace for exchange of gaming software, information on scripting, and anti-cheat bypass (specifi-cally Rust). Hosting a discord market server with 250+ people