Syed Hussain

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Education

University of California, Irvine — Irvine, CA
Bachelor of Science in Computer Science — *Sept. 2021 – June 2025*

- 3.6 Major GPA
- Dean's List: *Fall 21, Winter 22, Spring 22*
- Relevant Coursework: *Programming Software Libraries, Intermediate Programming, Programming in C/C++, Programming in Java, Boolean Logic and Discrete Structures*

Projects

Grin Interpreter | *Python, Git* — November 2022

- Developed an interpreter in python for a language that took inspiration from basic
- Used object-oriented design to represent syntactical components of the grin language
- Allowed user to write programs using the grin language
- Implemented automated unittests to ensure the interpreter worked as intended

Learning to Fly | *Python, SQLite, Git* — October 2022

- Developed a CRUD app which allows the user to create, read, update, and delete airport data including continents, countries, regions, and airports
- Used Tkinter to create a GUI that allowed the user to manage the database
- Used an MVC software architectural pattern and a relational database using SQLite
- Used the sqlite3 python library to execute requests coming in from the user

Tic-Tac-Toe | *Python* — May 2022

- Enabled two-way communication with two machines using sockets
- Created a GUI using Tkinter to allow users to click where they want to place their move instead of getting input in the shell

Experience

Six Twelve Convenience Store — Boston, MA
Retail Sales Associate — *June 2022 – Sept. 2022*

- Provided excellent customer service, addresses needs of customers in a timely and effective manner
- Followed and complied with established procedures, health and sanitation, and safe work practices

Massachusetts General Hospital — Boston, MA
Research Assistant — *June 2020 – Jan. 2021*

- Worked in Dr. Lim's fear memory lab to study how fear memories are encoded in amygdalar neural circuitry
- Used advanced research techniques like optogenetics and live calcium imaging in behaving mice
- My work contributes to the discovery of 4 new neuronal types based on their functional characteristics

Technical Skills

Languages: Python, SQL, Java, C/C++
Developer Tools: Git, VSCode, PyCharm, IntelliJ
Libraries: PathLib, Socket, Tkinter, sqlite3