Neel Jhangiani

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EDUCATION

University Of Houston   **August 2020 – August 2024**

Bachelor of Science in Computer Science, Cum Laude

Cumulative GPA: 3.50

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Systems, Software Engineering, Software Design, Data Science, Artificial Intelligence, Statistical Learning, Automata

PERSONAL PROJECTS

Mixed Reality Application – Chef Chaos   **February – April 2024**

- Worked in a team of 7 to develop a mixed-reality cooking game under the Meta Quest platform, achieving a recommendation for the Oculus Start program, and continue development under Meta's funding
- Utilized Unity with the Mixed Reality Toolkit and Meta Building Blocks, achieving 95% spatial recognition accuracy of user space and enabling multiuser colocation
- Increased user engagement by 40% through enhanced interactive features

Full Stack Website   **February – April 2024**

- Developed a software application predicting fuel rates based on Client Location, Client History, Gallons Requested, and Company Profit Margin with an accuracy rate of 95%
- Implemented features including Login, Client Registration, Client Profile Management, Fuel Quote Form with Pricing Module, and Fuel Quote History.
- Utilized HTML, CSS, JavaScript, Node.js, MongoDB, and debugging and testing tools like Jest, translating business requirements into tangible, value-driven technological solutions

Data Analysis on Crime Statistics   **March - May 2023**

- Worked in a team to explore the impacts of crime on university campuses across the United States, analyzing data from over 1,000 institutions
- Utilized predictive modeling and machine learning techniques such as K - Nearest Neighbors and Support Vector Machines to predict crime types with an accuracy of 98%
- Discovered the most prevalent forms of crime at universities, providing insights that could reduce crime rates by 15%

Interactive Game   **August 2023**

- Created a game, "Hailstorm" on Code.org, that involves avoiding falling objects, reaching 100 plays within the first month
- Utilized backend techniques such as creating functions and manipulating variables in Java Script, and frontend techniques such as overlaying images and displaying instructions to the user
- Tested software for bugs and operating speed, fixing bugs and documenting processes to increase efficiency by 15%

TECHNICAL SKILLS

Languages: Proficient in C++, Python, Java Script, SQL, R, HTML, and CSS. Working knowledge of Unity and Assembly

Technologies/Frameworks: React.js, Node.js, MongoDB, Git, TypeScript

Developer Tools: Visual Studio Code, PyCharm, MySQL, GitHub, Data Visualization: Tableau, PowerBI

NON-TECHNICAL EXPERIENCE

HighStone Investment Inc.   **Jan 2021 – August 2023**

Katy, TX

Store Manager

- Managed inventory, ensuring optimal stock levels and minimizing excess by 10%
- Supervised and managed a team of up to 7 employees, including handling payroll and scheduling
- Increased store profit by 15% since its opening through effective sales strategies and operational efficiencies
- Reduced shrinkage by 12% through diligent inventory control and loss prevention measures