Rishi Sajay

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Education

University of Florida | Bachelor of Science in Computer Science | 2024

- Herbert Wertheim College of Engineering | Dean's List Recipient (Fall 2021, Spring 2022)
- **GPA**: 3.96/4.00
- **Related coursework**: Data Structures and Algorithms, Computer Organization, Databases 1 and 2, Software Engineering, Applied Machine Learning, Linear Algebra, Differential Equations

Skills

Programming Languages: Java, C++, Python, MATLAB, SQL, R, HTML, CSS, JavaScript

Application Design: Unreal, Unity, Android Studio, Autodesk Maya, Adobe Photoshop

Projects

Portfolio Website

- Developed a personal portfolio with html, CSS, and JavaScript.
- Link:

Flight Optimization Project

- Created a program that gives users the most efficient flight paths based on cost for trips within the US with C++.
- Utilizes 2018 US flight data based on The Bureau of Transportation Statistics and the library TGUI for the user interface.

Minesweeper

- Allows users to play the game minesweeper through Visual Studios.
- Built using SFML and includes the functionalities of regular minesweeper along with preloaded maps and built-in testing.

Extracurricular Activities

Dream Team Engineering (DTE) | Team: Dream Team U | Sub team: Diabetes VR

- Software Division of DTE dedicated to improving hospital stays at Shand's Pediatric Hospital
- Utilize virtual reality to create an educational game to teach pediatric diabetes patients about their conditions and teach them about the nutritional value of what they eat to help them better estimate their insulin doses.

Freshman Leadership Experience | FLE

- Mentor undergraduate freshman majoring in computer science
- Help them adjust to campus life and course loads

Work Experience

Stephen C. O'Connell Center | Event Staff | August 2021 – December 2021

- Ensured the security and safety of all patrons
- Directed crowds and traffic during major events
- Helped set up technical equipment for concerts and other events.