

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:** C++, Python, Java, HTML, CSS, JavaScript, C#, MATLAB, R, SQL

**Application Design:** Kivy, KivyMD, Django, Unity, Bootstrap

**Other Skills:** Scikit Learn, Keras/TensorFlow, Autodesk Maya, Adobe Photoshop

## **Projects**

**ImLiterate – ShellHacks 2022** (*Fall 2022*)

- Developed a full stack web app to help kids with unequal access to education improve upon their vocabulary.
- Built with Django, Python, Google Cloud Vision, Bootstrap, and the Merriam Webster API

**Portfolio Website** (*Summer 2022*)

- Developed a personal portfolio with HTML, CSS, and JavaScript.
- To view additional projects and learn more about me, please go to <http://www.rishisajay.com>

**The Move** (*Summer 2022 – Present*)

- Developing a full stack mobile app to help college students better plan their nights. Users can vote where they are planning on going as well as view other users' votes and how popular various locations are. For a more in-depth description, please visit my website.
- Built with the Kivy library, Django, and Python. Projected completion: November 1<sup>st</sup>.

**Pulsar** (*Summer 2022*)

- Created a 2D space fighter game largely influenced by Tank Trouble, where players are pit against each other in a dog fight with lasers, missiles, and more!
- Built with Unity 2D and Photoshop

**Flight Optimizer** (*Summer 2021*)

- Created a program that gives users the most efficient flight paths based on cost for trips within the US using graphs and Dijkstra's shortest path algorithm.
- Built with 2018 US flight data from Kaggle, C++, SFML, and TGUI

## **Extracurricular Activities**

**Dream Team Engineering (DTE) | Captain of Train of Four Project | Fall 2023 – Present**

- Captain of one of four projects under the software division of DTE dedicated to improving hospital stays at Shand's Pediatric Hospital
- Currently utilizing machine learning to automate the train of four test to measure patients' nerve functions.

## **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, and helped set up technical equipment for concerts and other events.