

# ROHIT TUTEJA

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Entry level software engineer, experienced in solving real-world problems, and in working with the data needed to do so. Interested in using computing to make complex tasks more efficient to accomplish.

## EDUCATION

Georgia Institute of Technology

Graduation 2023

- B.S. in Computer Science: Intelligence - Modeling/Simulation

3.6 GPA

### Relevant Courses

- Data Structures, Design/Analysis of Algorithms, Intro to AI, Intro to Computer Vision, Computational Modeling Algorithms

## PROJECTS AND EXPERIENCE

Yellow Jacket Space Program - Flight Dynamics Team

Fall 2021 - Present

- Aerodynamics and Stability Subteam: Ensuring the program's rockets are aerodynamically stable
- Reworked code for the in-house trajectory simulator to accept a new 2D aerodeck format, simplifying the codebase and making it easier to work with and understand
- Implemented a more efficient gridded interpolation method for approximating missing data in the new aerodecks, which resulted in a 25% increase in overall simulator runtime

Data Analysis Project

Summer 2022

- Performed data analysis in Python using NumPy, Pandas, and Seaborn with pre-made data sets
- Analyzed Kaggle's 2016 911 call data finding and plotting data such as most frequent call time, place, and reason, looking at calls made and their relation to combinations of all said factors
- Used Pandas to retrieve stock prices on major US banks from 2006 to 2016, creating charts on difference performance metrics over time and performing technical analysis on the stocks over time

SpotifyRT - Developer

Fall 2021

- A web player for Spotify built in React, with reactive background and all expected features
- Syncs to your music off any device in real time by logging into Spotify via their own login API
- All functions implemented through calls to Spotify's own music player APIs

HatefulAI - Co-Creator

Summer 2021

- A JavaScript based personal assistant that's rude to the user
- Uses OpenWeatherMap and WebSpeech APIs for live weather and speech synthesis/recognition
- Transcribes and displays spoken input and generated output in real time

IPSD Summer Robotics Camp Mentor

Summer 2019, 2021

- Worked with kids aged 11-14 to introduce them to the VEX Robotics Competition scene and how to build and code on the VEX V5 platform during a 2 week summer camp

## SKILLS AND STRENGTHS

- Python: Numpy, Pandas, Matplotlib, Seaborn, Plotly/Cufflinks, Java, C, MatLAB, Javascript, React, VSCode, IntelliJ, CLion, Docker, Git, Anaconda, WSL, Microsoft Office, Unix, Bash, RASAero II, Tableau
- Team player, good time management, effective communication, independent, problem solver, adaptable, quick learner