Jack O Jones

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Software Engineer

I'm a recent Computer Science graduate from The University of Texas at Dallas, achieving cum laude honors. With a strong foundation in programming languages and algorithms, I excel in team settings with collaborative spirit and effective communication. My passion for computer vision, machine learning, and robotics, along with hands-on experience at Space X View and participation in the Dallas Personal Robotics Group, drive my enthusiasm to contribute to the field of Computer Science and technology.

SKILLS

Machine Learning, Computer Vision, Python, TensorFlow, OpenCV, C/C++, Java, Flutter, Dart, C#, Unity, Linux

EDUCATION

Bachelor's in Computer Science

The University Of Texas At Dallas • Richardson, Texas, USA • GPA: 3.73 • **Cum Laude** 08/2019 - 12/2023

MICROSOFT CERTIFICATIONS **Azure AI Fundamentals**

LeetCode Points: 1552 **Problems Solved: 172**

WORK EXPERIENCE

Space x View • Japan (Remote) • Internship 09/2022 - 10/2022

- Utilized Agile methodology and object-oriented programming to develop the company's virtual reality platform
- Used the Unity Library, GitHub, and C# scripts.

Software Engineer

PROJECTS

Raytheon Drone Competition **Raytheon & University of Texas at Dallas • 09/2023 - 12/2023**

- Collaborated with Raytheon and fellow students of various degrees to develop a drone and ground robot.
- Specialized in developing the computer vision system of the drone utilizing linear algebra, Python, and Linux.
- Successfully created a computer vision system that would find enemy ground robots and get the global coordinates and velocity of a ground robot.
- Led the team in organizing meetings and working with the Electrical and Computer Engineering team.

Pipe Anomaly Detection **University of Texas at Dallas • 11/2023 - 12/2023**

- Worked with a team on data generation and creating and training a deep learning computer vision AI system.
- Used a Convolutional Neural Network (CNN) deep learning algorithm to recognize damaged pipes.
- 100% success rate, on around 132 training photos.
- Worked with team members to create a rig to collect the necessary training images.

TodoQ Application **02/2024 - Present**

- Creating a FIFO to-do list application using Flutter and Dart for IOS and Android.

Coffee Robot **05/2020 - Present**

- Simulates manufacturing coffee by making chocolate milk and placing a cap on the cup.
- Developing an application for the device using Flutter for IOS and Android.