**Jack O Jones**

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**The Colony, TX | (330) 464-0545**

**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: 1770 Problems Solved: 189**

# WORK EXPERIENCE

**Space x View •** Japan (Remote) **•** Internship09/2022 - 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 1st Place • 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.