

Jack Jones

jackojones.com | The Colony, TX | (330) 464-0545 | jack8jones@protonmail.com | linkedin.com/jack-jones | github.com/Cicerokx7

EDUCATION

The University of Texas at Dallas, Richardson, Texas

Bachelor's in Computer Science

Graduated December 2023

GPA: 3.727

Cum Laude

Microsoft Certification :

Azure AI Fundamentals

LeetCode Points:

919

Class Projects

- **Raytheon Drone Competition:** Collaborated with Raytheon and fellow students to develop a cutting-edge drone and ground robot. The drone would locate other ground robots and spray them with liquid. Specialized in developing the computer vision system of the drone.
- **Pipe Anomaly Detection:** Worked with a team to develop a computer vision system that would recognize damage on underwater pipes using a deep learning Convolutional Neural Network (CNN). 100% success rate, based on around 132 photos.
- **Slider Stack Game:** Worked with a team to develop a Unity-based game where users assemble virtual sandwiches by sliding a bun and stacking ingredients to match a menu.
- **Flight Path Algorithm:** Independently developed a program utilizing an iterative backtracking algorithm to identify optimal flight routes between airports.
- **Kanban Board:** Collaborated with a group to develop a prototype Kanban board application.

INTERNSHIP

Space x View, Japan (Remote)

September 2022 – October 2022

EXPERIENCE

Software Developer

- Used Agile methodology to develop the company's virtual reality platform using the Unity Library.
- Created 2 city blocks, added a new avatar.
- Added new tools, features, and objects to allow the user to better interact with the objects in the virtual platform.

ROBOT

[YouTube presentation on the robots](#)

BUILDS

Conceived, designed, built, and programmed the software design, digital circuits, and mechanisms for autonomous robots.

- **Coffee Robot (In Progress):** Simulates manufacturing coffee by making chocolate milk and placing a cap on the cup. This will eventually create nearly any coffee through an app.
- **Sidewalk Robotics:** Followed sidewalks using computer vision. Successfully tested a drive of at least 2 miles while carrying a heavy payload of 6 cans and ice.
- **6Can Robotics:** Competed in the DPRG 6Can fall 2018 and summer 2023 robotics competition, earned 3rd place. Used computer vision systems.

TECHNICAL PROFICIENCY

C++, Python, Java, Arduino, C#, Agile, Machine Learning, Computer Vision, Visual Studio, Unity, Linux, MIPS, Racket, Prolog