Jack O Jones

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Software Engineer

I am an Associate Software Engineer for Trellix. While gaining a Salesforce Platform App Builder certification, I am collaborating closely with a great problem-solving team to prototype new AI systems and document services. I have a degree in Computer Science from The University of Texas at Dallas, achieving cum laude honors. My passion for machine learning, and robotics, along with my participation in the Dallas Personal Robotics Group, drive my enthusiasm to contribute to the field of Artificial Intelligence.

WORK EXPERIENCE

Trellix • Associate Software Engineer • Plano Texas

- Prototyped case prediction tool using logistics regression, custom neural networks, and Google Gemini.
- Prototyped a canary automated software testing program.
- Prototyped and tested new Salesforce features for our company.
- Gained a Salesforce Platform App Builder Certificate.

SKILLS

Salesforce Platform App Builder, Python, Java, C#, C/C++, TensorFlow, PyTorch, SciPy, NumPy, OpenCV, Git, Unity, Linux, Dart, Flutter, JavaScript, HTML, CSS

EDUCATION

Bachelor's in Computer Science

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

SALESFORCE CERTIFICATION   Platform App Builder

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.
- Worked with team members to create a rig to collect the necessary training images.

Coffee Robot   05/2020 - Present
- Simulates manufacturing coffee by making chocolate milk and placing a cap on the cup.
- Will eventually create nearly any coffee through an application.
- Developing application using Flutter for IOS and Android.

TodoQ Application   02/2024 - Present
- Created a FIFO to-do list application using Flutter and Dart.