JOSEPH QUINN

PROFILE

Undergraduate computer science student at Vanderbilt University with hands-on experience gained through the Lockheed Martin explorers program. Skilled in programming and problem-solving, eager to contribute to exciting tech projects and the industry's growth.

VOLUNTEER

SECORCARES; PARKER, CO – 2019-2023

Assisting in community outreach programs by participating in food drives, fundraisers, and events aimed at raising awareness and support for the food bank's mission.

INTERNSHIPS

ENGINEERING EXPLORERS POST, LOCKHEED MARTIN; LITTLETON, CO – 2019-2020

Engaged in aerospace engineering activities, attending industry expert-led meetings on space programs like Maven and Osiris-Rex. Collaborated on hands-on engineering projects, including rover construction and rocket development. Received mentorship from Lockheed Martin Engineers and contributed to technical space hardware projects.

EDUCATION

ARAPAHOE COMMUNITY COLLEGE, CO – ASSOCIATES OF SCIENCE, 2023

VANDERBILT UNIVERSITY, TN – COMPUTER SCIENCE MAJOR, PRESENT

SKILLS

Java, Python, HTML, CSS, Javascript, R, Git, MacOSX, Windows OS, Linux OS, Node.JS, Javascript.

PROJECTS

SNAKE LEARNING MODEL

Python implementation of a Deep Q-Learning (DQL) AI reinforcement learning algorithm that plays a basic Snake arcade game.

WORD-WISE ALGORITHM

Game algorithm that uses feedback and statistical analysis of letter frequencies to make effective word guesses, systematically approaching the solution.

HUFFMAN ENCODING

Binary Algorithm used for lossless data compression. It works by assigning variable-length codes to characters in a string based on their frequencies. Includes data decompression using nodes.

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