Andrew Stephenson

amstephenson3@crimson.ua.edu | 618-521-3800 | www.linkedin.com/in/a-m-stephenson

EDUCATION

Bachelor of Science in Computer Science, December 2025
The University of Alabama, Tuscaloosa, AL
Honors College; GPA: 4.00/4.00

SKILLS

Python, C++, C, C#, Java, JavaScript, HTML, MongoDB, MySQL, TAK, ROS, Ardupilot, Mavlink, Docker, Ubuntu, VirtualBox, Power BI, Visual Studio, MATLAB, Git, Jetson Nano, RTMaps, Gazebo and Unity

SELECT COURSEWORK

Reinforcement Learning (CS 484), Artificial Intelligence (CS 465), Full Stack Development (CS 330), Data Science (CS 451), Operating Systems (CS 300), Database Management Systems (CS 301), Data Structures and Algorithms (CS 201/470), Software Engineering (CS 200) and Microcomputers (ECE 383)

RELEVANT EXPERIENCE

Data Scientist (Remote), COLSA Corporation, Huntsville, AL, August 2025 – Present

- Working on HAAST contract to construct TAK plugins

Data Science Internship, COLSA Corporation, Huntsville, AL, June 2025 – August 2025

- Utilized Docker and Meshroom to reconstruct bridge models using photogrammetry
- Implemented a full stack website with react.js, node.js, and a MySQL database
- Developed computer vision models using UNet and SAM3D for segmentation

Data Science Internship, COLSA Corporation, Huntsville, AL, June 2024 – August 2024

- Briefed daily on project progress and blockers using agile methodologies
- Set up a drone simulation environment with Gazebo, Ardupilot, ROS, and Mavlink software
- Implemented Python algorithms, including A* for navigation and neural networks for autonomous movement, utilizing both positional and lidar data
- Utilized Docker and VirtualBox to streamline testing and development processes

Sensors Subteam Member, EcoCAR EV Challenge, Tuscaloosa, AL, September 2022 – Present

- Assignments with a Gitlab task board to complete tasks in a timely manner
- Development using MATLAB and Simulink to create a working sensor fusion algorithm
- Simulation with driving scenario designer and unreal engine through MATLAB
- Conversion of working sensor fusion algorithm to Python using RTMaps

CAMPUS INVOLVEMENT

Sigma Alpha Mu Tau Chapter, Fall 2023 – Present
EcoCAR EV Challenge, Fall 2022 – Present

Current Active Security Clearance: Interim Secret

Andrew created this chatbot by himself with preexisting knowledge of LLMs and Retrieval Augmented Generation (RAG) AI through his internships at COLSA Corporation, as well as his Reinforcement Learning and Data Science Classes. He used basic pdf file encoding, is hosting the front end of this website on GitHub Pages, and the backend on Render.