

COVER LETTER

Date: April 19, 2024

Dear Hiring Manager,

With a Master's degree in Electrical Engineering from Florida State University and over four years of hands-on experience in the industrial sector as an Embedded Engineer, I am enthusiastic about the opportunity to contribute my skills and knowledge to your esteemed organization.

During my tenure as an Embedded Engineer, I have honed my expertise in embedded systems and IoT, working extensively on various projects utilizing Python, C++, and Embedded C across different microcontrollers and real-time controllers. My experience encompasses a range of communication protocols, including Bluetooth, WiFi, Zigbee, and RF. Notably, I spearheaded projects such as an autonomous boat, where I was responsible for both hardware embedding and software development, and an autonomous pallet picker for warehouse operations, which introduced me to Robotic Operating System (ROS).

My proficiency extends beyond technical skills; I am adept at working in diverse operating systems, including Linux, macOS, and Windows. Currently, as a Research Assistant under the guidance of Dr. Anubi, I am immersed in cutting-edge research on Teleoperation and Autonomous Vehicles. My ongoing project involves the development of an Autonomous Go Kart, where I serve as a middleware developer, while my thesis focuses on "Internet-Based Adaptive Teleoperation of Lead Vehicle in Platoons: Using Wave Variable and Predictor Techniques." This research aims to mitigate delays in lead vehicles within a multi-agent system, showcasing my ability to innovate and solve complex problems in the field.

Enclosed is my resume, which provides further details about my qualifications and achievements. I am enthusiastic about the opportunity to discuss how my skills align with the needs. Thank you for considering my application. I look forward to the possibility of contributing to your organization's success.

Yours Faithfully
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