Lilian Lamb
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Career Objective:

Highly motivated and results-oriented engineer utilizing hands-on research experience and a strong academic background to contribute innovative solutions in the field of autonomous systems and robotics. Seeking a challenging position where I can apply my technical expertise in software development and sensor integration to generate technological advancements and contribute to impactful projects in an industry setting.

Education:

Master of Science in Computer Engineering *– Spring 2025*
University of South Carolina

Bachelor of Science in Computer Engineering
University of South Carolina
Honors, Summa Cum Laude

Awards and Honors:

Magellan Grant Recipient
GLD: Professional and Civic Engagement
GLD: Research

Related Experience:

Autonomous Field Robotics Lab at USC *– Columbia, SC*
Research Assistant: *August 2023 - Present*

- Develop software package for autonomous aquatic multi-sensor stereo platform.
- Upgrade pre-existing sonar software package to ROS 2 for compatibility.
- Compare and analyze accuracy of a variety of different visual inertial odometry packages.
- Develop physical connections for sensor integration with edge devices.

Zeus Industrial Products *– Orangeburg, SC*
Summer Engineering Intern: *2019 - 2023*

- Implemented robotic arm with pre-existing machinery.
- Assisted in installation of thirty personal computers for extruders to update existing systems.
- Disassembled and installed computer hardware to increase the capability of the machines.
- Configured software and settings for over fifty computers in preparation for installation.

Additional Experience:

U.S. Soccer Federation *– Lexington, SC*
Referee: *January 2016 - Present*

- Investigate the field and players before games to ensure compliance with regulations.
- Remain up to date on regulations and rules to guarantee a fair match.
- Manage referee team and players to ensure an accurate and safe game.

Activities:

IEEE Eta Kappa Nu
President: *April 2023 - Present*

- Plan events and meetings to improve the community and professional skills of members.

Skills:

- Knowledgeable in Java, C++, SQL, Python, Matlab, ROS, ROS 2

References available upon request