Roger Silvestri

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OBJECTIVE

As a dedicated software engineering student with a rich background in culinary arts, I am eager to apply my creative problem-solving skills, attention to detail, and passion for technology in a software development role. With a unique blend of culinary expertise and emerging tech skills, I aim to contribute innovative solutions in a dynamic team environment.

EDUCATION

Champlain College -- Present
    BS Software Engineering
    Graduation – December 2024

EXPERIENCE

Lead Coding Coach
Code Wiz, Needham, MA (2024-Present)
- Help train and organize coaches
- Lead Classes in Robotics, Python, 3D-Printing, and Game Development in Roblox fostering an environment of learning and fun.

Executive Chef
Wellington Management, Boston, MA (2019-2022)
- Developed menus for the cafe, catered meetings, and important clients, for an office of over 1300 employees.
- Lead staff of 30 in day to day operations of coffee bar, cafe, and special event team.
- Planned and Executed food and beverage for 3 day conference for 500 people including breakfast, lunch, dinner, and snack and coffee bar.
- Maintained

Nutritional Database
    Technologies/Concepts Used: BeautifulSoup, Pandas, mySQL, Python
    Overview: Scrapped and built a database of the USDA nutritional information including branded Products.
    Planned Development: Implement API's to enter recipes and receive nutritional information on a per serving basis.

Autonomous UAV with Object Avoidance and SLAM
    Technologies/Concepts Used: Robotics, LiDAR, ROS2 (Robot Operating System), SLAM algorithms, C++/Python
    Overview: Developed an Autonomous UAV capable of object avoidance using LiDAR technology. The project is currently evolving to incorperate SLAM algorithms within ROS2 for advanced room mapping and navigation capabilities.
    Current Development: Implementing a SLAM algorithm to enable the UAV to construct and update a map of an unknown environment while simultaneously keeping track of its own location.

Wordle Model
    Technologies/Concepts Used: Python, Statistical Modeling, Web Scraping, Beautiful Soup
    Overview: Developed a statistical model based on the entire set of 5 letter words in the Oxford Dictionary to solve the daily wordle autonomously with a 96% success rate and an average guess number of 4.15.

SKILLS

Language - Fluent in English, Intermediate Spanish
Technical Skills – Python, C++, Javascript, Java, HTML/CSS, Django, Tkinter, ROS2, SQL, SQLServer, Full-Stack Web Development, Web API's, Robotics, Probability and Statistics, Algorithm Design, MySQL, Calculus, Linear Algebra, React, UI/UX, Data Preprocessing, scikit, Data Feature Selection, Pandas, Matplotlib
Soft Skills – Leadership and Team Management, Operational Management, Financial Acumen, Innovative Problem-Solving, Project Management, Collaboration and Communication, Adaptability and Learning, Data Analysis, Decision Making, Regulatory Compliance, Supply Chain Logistics