Jacob Webster

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EDUCATION

University of South Carolina   **Columbia S.C.**
Bachelor of Science in Computer Science   *Expected Grad 2028*
- Honors and Awards: Dean's Scholars Award, Palmetto Fellows
- Relevant Coursework: Java Programming, HTML Programming, CSS Programming

EXPERIENCE

Software Developer Intern   **June 2024 - Present**
WSL Mobile Detailing   *Lexington, S.C.*
- Developed a custom WordPress web app using HTML and CSS
- Customized themes, implemented plugins, and managed site maintenance
- Provided ongoing technical support, troubleshooting, and training on how to manage their website
- Provided SEO to improve the likelihood of the web app being found online
- Created an email booking service for clients to schedule appointments
- Managed hosting on a cloud server to keep the website public

USC SAE Team   **September 2024 - Present**
Member   *Columbia, S.C*
- Created a C++ program to measure voltage being received by the acceleration pedal and to check whether the brake was applied to be ran on an Arduino

PROJECTS

Automatic Grocery List and Menu Maker   **June 2024 - Present**
- Created a Tkinter application that reads a CSV file of recipes and their tags using Pandas and Python to put together a healthy and unique menu and a grocery list to make those recipes

LED Stadium Lights   **August 2023 - April 2024**
- Created a Machine Learning recognition program using Yolo v8 to detect number changes on a scoreboard through a Raspberry Pi camera
- Transmitted signals over 500 yards from a Raspberry Pi to a microcontroller connected to LED lights to create light sequences

Guess Who Clone   **April 2024**
- Created a web app clone of the game Guess Who for desktop using Python and Tkinter

SKILLS

- **Programming Languages:** Python, Java, HTML, CSS, C++
- **Languages:** Spanish (Limited)