Mackenzie Wessels

(919) 394-2185 | [mackwessels@gmail.com](mailto:mackwessels@gmail.com) | 117 Lafayette Street | Goose Creek, South Carolina

**CAREER OBJECTIVE**

Computer Science major seeking to use technical skills and problem-solving abilities in the role of Junior Software Engineer. Possesses excellent programming skills, a passion for developing software strategies, and tremendous dedication to quality with experience in executing projects. Anticipated graduation in June 2025 with a B.S in Computer Science from Charleston Southern University.

**EDUCATION**

Bachelor of Science in Computer Science

Charleston Southern University, Charleston, South Carolina Expected 2025

GPA 3.7, Dean's List all semesters

Associate in Applied Science, Computer Technology-Computer Programming

Trident Technical College, North Charleston, South Carolina 26 April 2020

**RELAVENT ACADEMICS AND COURSES**

Operating Systems Network Security

Systems Analysis & Software Design Computer Architecture

Cybersecurity User-Interface Programming

Survey of Scripting Languages Data Structure Analysis

**LANGUAGES**

Java, C++, C#, Python, Bash, MySQL, RUBY

**RELAVENT EXPERIENCE**

Systems Analysis & Design Project | Charleston Southern University | Fall 2024

* Developed web application using React, designed for the Medical University of South Carolina, to facilitate the retrieval and analysis of genetic variant data from the ClinVar database.
* Implemented dynamic search features to filter genetic data by gene name, clinical significance, and associated conditions.
* Integrated web application with RESTful APIs to process large datasets; delivering tab-delimited outputs compatible with Microsoft Access for streamlined data analysis.
* Customized user interface with Charleston Southern University branding, ensuring a polished and professional appearance.
* Employed modern web development practices, focusing on performance optimization, responsive design, and accessibility to create user-friendly experience for healthcare professionals.