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GitHub: wbcarpenter

# WHITNEY CARPENTER

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## EDUCATION

### **Charleston Southern University, N. Charleston, SC** – *BS Cybersecurity*

AUGUST 2023 – EXPECTED MAY 2026

- 3.95 GPA
- Dean's List and Honor Roll every semester
- Jairy H. Hunter Scholarship Recipient
- Relevant Coursework: Network Security, Network Penetration Testing and Ethical Hacking, Principles of Cybersecurity, Applied Networking, Database Management, Scripting Languages, Software Testing, Systems Analysis & Design, Discrete Mathematics, Statistics

## TECHNICAL SKILLS

- Operating Systems: Linux (Ubuntu), Windows
- Software: Microsoft 365, Google Workplace
- Languages: Java, C++, JavaScript, HTML, CSS
- Cybersecurity tools and concepts: Network security, vulnerability testing, GitHub, password hashing, risk analysis
- Soft Skills: Leadership, Project Management, Problem Solving, Communication, Collaboration

## PROJECTS

### **Cybersecurity Senior Project – Password Checker Extension** (CSCI 498, 2025–Present)

- Developing a browser extension that analyzes password strength and provides real-time feedback using hashing and entropy metrics.
- Wrote a Requirements Document and a formal Test Plan

### **Citation Extraction System for MUSC Research Team – Project Manager** (CSCI 495, 2025–Present)

- Lead a seven-member team developing a web tool that automates citation parsing using Python, a local LLM, and regular expressions.
- Oversee communication, requirements gathering, task assignments, and code integration via GitHub.

### **DreamBuy Open-Source Testing Project** (CSCI 540)

- Conducted functionality, accessibility, and usability testing for an open-source e-commerce repository on GitHub.
- Documented and reported vulnerabilities and performance issues.

#### **Single-Cycle Processor Design** (CSCI 330)

- Designed and implemented basic CPU architecture in Verilog; tested performance under simulated loads.

#### **Web Development & Deployment Project** (CSCI 383 – *Mission Trip: Lima, Peru*)

- Built and launched a website and donation platform for a local children's home using Squarespace and Zeffy.

## **WORK EXPERIENCE**

### **Sports Administrator & Volleyball Coach, Bethany United Methodist Church–Summerville, SC**

MARCH 2024 – PRESENT

- Created drills and exercises to develop agility, strength, coordination, and stamina in volleyball players.
- Organized practices and developed strategies to help athletes reach their goals.
- Developed game plans and strategies tailored to the strengths and weaknesses of the team and opponents.

### **Volleyball Coach, Cathedral Academy – West Ashley, SC**

AUGUST 2025 – PRESENT

- Head Coach (Middle School) and Assistant Coach (Varsity).
- Learned time management skills balancing coaching every day while being a full-time college student.
- Organized and communicated effectively with parents of the players.
- Taught young girls leadership and teamwork skills.

### **Pet Sitter – Raleigh, NC**

MARCH 2019 – PRESENT

- Provided responsible in-home care and client communication, developing reliability and attention to detail.

## **LEADERSHIP, HONORS, AND INVOLVEMENT**

- Honors College – developed strategic and ethical leadership approaches, and applied it to tech settings
- Intramural 3x Volleyball champion, Basketball, Pickleball, Spikeball, and Table Tennis
- Creative Teamwork and Research Team – collaborated on cross-disciplinary projects and conducted a research study related to AI in education
- Alpha Chi National Honor Society and Upsilon Pi Epsilon
- Panel Member for the 2025 SC Computer Science and STEM Summit