Gavin Hewitt

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EDUCATION

University of South Carolina   *Columbia, SC*
Bachelor of Science in Computer Science   **Expected Graduation: May 2025**
Minors: *Mathematics and Business Administration*   GPA: 3.91
Awards: SPUR Scholar, Dean's Scholar, Meeting Street Scholar, President's List x2, Dean's List x2, Alpha Lambda Delta
Related Coursework: Big Data Analytics, Linear Algebra, Data Structures and Algorithms, Mobile Application Development

EXPERIENCE

Theta Tau – Professional Engineering Fraternity   *Columbia, SC*
Vice President   **Dec. 2023 – Present**
- Appoint, manage, and lead **21** chair positions across **13** different committees to oversee and maintain the internal affairs of the fraternity.
- Preside over weekly chapter meetings in the absence of the President and take over any other responsibilities given to them if they are unable to fulfill their duties.
- Work closely alongside the President to relay information to the National Office and lead an Executive Counsel of **7** elected officers responsible for **82** active members.

College of Engineering and Computing   *Columbia, SC*
Lead Undergraduate Ambassador   **Aug. 2023 – Present**
- Guide tour groups of **50+** prospective parents and students through the plethora of labs, classrooms, and spaces within the college to give an in-depth explanation of what the college has to offer.
- Answer a variety of questions and provide relevant information about the many majors, minors, student organizations, and housing options offered to help with an understanding of being a CEC student.
- Assist staff and students as a leader and liaison by performing any clerical, organizational, and ancillary tasks vital to the inner workings and success of the college while maintaining a high academic standing.

University of South Carolina – Artificial Intelligence Institute   *Columbia, SC*
Undergraduate Research Assistant   **Fall 2023**
- Execute large scale simulations to mimic and model the flow of information throughout a target population and assess the effect new information has on the population.
- Convert methods from NetLogo to Java to utilize concurrent programming, monitor and mitigate race conditions, and decrease computation and processing time.

Theta Tau – Professional Engineering Fraternity   *Columbia, SC*
Philanthropy Co-Chair   **Jun. 2023 – Dec. 2023**
- Coordinated, and executed an event for **150+** parents, children, teachers, and students with a myriad of various STEM-oriented experiments and demonstrations.
- Provided outreach to high-school engineering students and managed attendance for the trebuchet competition.
- Communicated with University staff to reserve, staff, and insure an event space while advertising participation and involvement to local schools and families for early exposure to STEM applications.

PROJECTS

Course Project - Software Engineering   *Columbia, SC*
Project Management Software   **Fall 2023**
- Designed and implemented the backend of a project management software with **14** different Java classes consisting of various design patterns as well as a JSON data writer and loader with **4** other group members.
- Implemented a functional GUI prototype with **10** different FXML files and Java controllers that interact with the software's backend.
- Managed project development via SCRUM methodology consisting of requirement elicitation, the creation of a UML Class diagram, three sprints, and JUnit testing to ensure a sophisticated and robust system.

Personal Project   *Remote*
Annual Health Insurance Cost Data Analytics   **Summer 2023**
- Imported and read data from a CSV file in Python via a function designed to store values from each column of data in corresponding lists to determine the effect various factors hold on the computation of annual insurance cost.
- Utilized String and computational methods to determine the average percent increase in annual health insurance cost for individuals who smoke vs. those who do not and individuals with children vs. without.

SKILLS

Technical: Java | UNIX/Linux | LaTeX | HTML & CSS | Python | Microsoft Excel | C++ | R | SQL | MATLAB | Agile