Jenna Gers

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Current Address: 125 Anderson Hwy, Clemson, SC 29634
Permanent Address: 10 Spaulding Place, Monmouth Beach, NJ 07750

Education

Bachelor of Science in Computer Science — Spring 2027
Clemson University — Clemson, SC
Minor: Mathematics — GPA: 3.85/4.0
Relevant Coursework: Algorithms and Data Structures, Discrete Structures for Computing, Introduction to Proofs, Business Statistics, Linear Algebra, Differential Equations

Work experience

Scheduling Intern — June - August 2025
Atlantic Lifeguard Alliance — Long Branch, NJ

- Automated scheduling for 100+ lifeguards using AI-based logic in proprietary tools; improved shift optimization and staff utilization by ~30%
- Designed and tested conditional rules to prioritize staff assignments based on availability, certification, and coverage demand
- Translated qualitative constraints into actionable logic, improving scheduling consistency and operational efficiency

Calculus I & II Teaching Assistant — Fall 2024 - Present
Clemson University — Clemson, SC

- Attending Calculus I & II classes to help 150+ students with in class questions and problems
- Hosting office hours, review sessions, and working with students in the Math Laboratory
- Grading assignments including quizzes and tests. Writing out the correct work and answers for each incorrect answer

Honors and Activities

Clemson University Dean's List — Fall 2023- Spring 2024
Clemson University President's List — Fall 2024- Spring 2025

Technical and analytical projects

Wordle Solver: Developed a dictionary-driven solver in C to refine guesses based on statistical letter placement and user feedback. Applied frequency analysis to improve success rate across multiple game states

Caesar Cipher Translator: Created a C++ cipher program capable of encoding and decoding messages using user-defined keys. Implemented functions to scramble and unscramble text, supporting multi-word phrases and dictionary-based key matching for unknown ciphers. Emphasized efficiency, string manipulation, and user interaction through a menu-driven interface.

Knights and Knaves Problem Solver (CS and Math Project): Developed a logic-based program to evaluate the Knights and Knaves puzzle. The project involves user interaction, where characters and their statements are entered, and the program determines the truthfulness based on logical analysis. Utilized C++ for algorithmic problem-solving, focusing on logical reasoning, recursion, and input validation.

Chain Reaction Game: Built a logic puzzle in C++ with node-based inputs and file-driven board initialization. Implemented error-checking and input validation, simulating a form of constraint satisfaction.

Technical skills

Programming Languages: Python (pandas, matplotlib) , C++,C, HTML/CSS, Java, SQL, Matlab
Tools & Frameworks: Microsoft Excel (VBA), Visual Studio, Git, GitHub, Linux/Unix, Windows Powershell
Software: Microsoft Word, PowerPoint, When I Work