

Kenny Sun

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EDUCATION

Clemson University

Clemson, SC

Bachelor of Science in Computer Science, Honors College, Freshman, 4.0 GPA

Aug. 2023 - May 2027

- Relevant Coursework: Programming Methodology (A), Linear Algebra (A), Algorithms and Data Structures (IP), Discrete Structures for Computing (IP), Introductory Business Statistics (IP)

J.L. Mann High School

Greenville, SC

High School Diploma, 5.076 GPA

Aug. 2019 - May 2023

EXPERIENCE

Undergraduate Computer Science Teaching Assistant

Jan. 2024 - Present

Clemson University

Clemson, SC

- Lead lab sections for CPSC 1020 students by teaching lessons and assisting them on assignments
- Host office hours to help students understand the material (C++)
- Collaborate with other TAs and the professor to ensure the success of all students
- Grade lab assignments and programming projects

RECF Vex Robotics - Volunteer

Aug. 2021 - Present

Schools in Greenville County

Greenville, SC

- Assist in tournament set up and run robotics tournaments across the state to promote STEM education
- Volunteer as a referee for robotics matches
- Provide assistance with technical troubleshooting during events

J.L. Mann Robotics Club - Club President

Aug. 2022 - May 2023

J.L. Mann High School

Greenville, SC

- Oversaw general management of a large club organization
- Worked with Vice President, Treasurer, and club Mentor in a professional environment to lead the club to success
- Taught other students in the club about the fundamental concepts of VEX robotics
- Competed as a builder and programmer to overcome challenges in various robotics competitions
- Used C++ autonomously control robots using control systems like PID

PROJECTS

Poker Hand Evaluator | C++, Pointers, Basic Combinatorics, OOP, Makefiles

Oct. 2023 - Dec. 2023

- Developed a terminal based application to evaluate poker hands
- User is prompted for cards of each player and community cards and responds with what each player is holding
- Uses dynamically allocated memory dependent on the number of players playing and the stage of betting

Personal Website | HTML, CSS

Nov. 2023 - Present

- Created a simple website using HTML and CSS to display projects

Vignere Cipher Encoder/Decoder | C++, Linked Lists, Queues, OOP

Oct. 2023 - Nov. 2023

- CPSC 1070 project that involved encoding messages using a vignere cipher

TECHNICAL SKILLS

Languages: Java, C/C++, Some Python

Developer Tools: GitHub, VS Code, Emacs