

# Kenny Sun

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## EDUCATION

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### 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

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### 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

### Bulgogi Korean Grill - Server

June 2022 - October 2022

*Bulgogi Korean Grill*

*Greenville, SC*

## PROJECTS

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### 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

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

**Developer Tools:** GitHub, VS Code, Emacs

## AWARDS

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**2023 CU Hack It Freshman Hello World Competition:** Best Hardware Hack

**2021 - 2022 VEX Robotics South Carolina State Championship:** Tournament Champions