

Kenny Sun

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EDUCATION

Clemson University

Clemson, SC

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

Aug. 2023 - May 2027

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

EXPERIENCE

Undergraduate Computer Science Teaching Assistant

Jan. 2024 - Present

Clemson University

Clemson, SC

- Co-led lab sections for CPSC 1020 by teaching lessons and answering student questions
- Host office hours to help students understand class 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 help 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 with 10 sub-teams and over 60 members
- 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 robotics
- Built and programmed robots to compete in various challenges

Bulgogi Korean Grill - Server

June 2022 - October 2022

Bulgogi Korean Grill

Greenville, SC

PROJECTS

Machine Learning Flappy Bird | *Python, Pygame, Machine Learning, OOP*

Mar. 2024 - Mar. 2024

- Python program that trains a machine learning model to play Flappy Bird
- Uses neural networks and neurons to determine when the model should jump
- Incorporates important fundamentals of linear algebra with weights for input values and neurons

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

Oct. 2023 - Dec. 2023

- Terminal program that evaluates the strength of players' hands in Texas Hold Em' Poker
- User is prompted for players' cards and community cards before printing the evaluation of each player's hands
- 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

TECHNICAL SKILLS

Languages: C/C++, Java, Python, Exposure to HTML and CSS, Exposure to C#

Developer Tools: GitHub, VS Code, Emacs

AWARDS

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

South Carolina Palmetto Fellows Scholarship Recipient

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