

KENNY SUN

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EDUCATION

Clemson University

Aug. 2023 - Dec. 2026

Bachelor of Science, Major in Computer Science, Minor in Business Administration

GPA: 4.00 / 4.00

- General Honors program at Clemson University's Honors College
- CW: Algorithms and Data Structures, Intro to Computer Organization, Software Engineering

EXPERIENCE

Web Application Developer Intern

Aug. 2024 - Apr. 2024

Clemson University Center for Workforce Development

Clemson, SC

- **Technologies:** Python, Django, Docker, XML
- Automated the export of OpenEdX courses to IMSCC protocol (originally a 6+ hour process) allowing course compatibility with other CMS/LMS platforms
- Updated the website's registration page to gather additional information
- Worked in a team based environment with regularly scheduled meetings to present work

Machine Learning Researcher

June 2024 - July 2024

College of Staten Island

Staten Island, NY

- **Technologies:** Python, Anaconda, Jupyter, Spyder, AWS Cluster
- Worked on the development of a machine learning model to predict flooding in the New York area
- Used machine learning techniques including KNN and Random Forest to validate flood sensor data
- Analyzed the computation complexity of machine learning models with parallel processing and presented findings to assist in further machine learning model development

Computer Science Teaching Assistant

Jan. 2024 - Apr. 2024

Clemson University School of Computing

Clemson, SC

- **Technologies:** C++, C, Emacs, Vim, VS Code
- Led lab sections for an intro CS course by issuing short lectures and answering student questions
- Hosted office hours to help students master class material
- Collaborated with the professor and fellow TAs to support student success

PROJECTS

[StrikePhone](#) | Python, React Native, S3 Buckets, API Gateways, Lambda Apps

- Hackathon phone app that detected strikes and balls in a game of Blitzball (backyard baseball game)

[Machine Learning Flappy Bird](#) | Python, Pygame, Machine Learning

- Python program that trains a neural network model to play Flappy Bird autonomously

EXTRACURRICULARS

Clemson Association for Information Systems

Aug. 2023 - Present

Association for Computing Machinery

Aug. 2023 - Present

J.L. Mann High School VEX Robotics Club President

Aug. 2022 - May 2023

- Worked with mentor and other student executives to oversee general management and lead school Robotics club of 60+ members to success
- Competed in an individual sub team building and programming robots to compete in various games

VEX Robotics Volunteer

Aug. 2021 - Present

- Assisted in tournament setup, refereed robotics matches, judged engineering notebooks, and interviewed teams at local robotics tournaments to promote STEM engagement for K-12 students

TECHNICAL SKILLS

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

Frameworks: Django, JUnit

Developer Tools: Git, GitHub, VS Code, IntelliJ, Jupyter Notebooks, Docker, Emacs, VIM, AWS Services

Libraries: pandas, NumPy, Matplotlib, mpi4py, scikit-learn

AWARDS

2025 CU Hackit: Most Innovative Hack (StrikePhone Project)

2023 CU Hackit Freshman Hello World Competition: Best Hardware Hack

South Carolina Palmetto Fellows Scholarship Recipient

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