Kenny Sun

864-678-0414 | sunkenny5893@gmail.com | linkedin.com/in/kenny-sun1
github.com/mystica-l | Personal Website : mystica-l.github.io

Experience

Web Application Developer Aug. 2024 - Present
Clemson University Center for Workforce Development *Clemson, SC*
- **Technologies:** Python, Django, XBlocks, Docker, Tutor
- Currently focused on understanding the technology stack of the Open EdX platform
- Preparing for future responsibilities of: feature development, code review, streamlining the code base, and general maintenance of CUCWD's Open EdX platform (Educate Workforce: an LMS/CMS for 2-year colleges)

Summer Undergraduate Researcher June 2024 - July 2024
College of Staten Island *Staten Island, NY*
- **Technologies:** Python, MPI, Pandas, Matplotlib, Anaconda, Jupyter, Spyder, AWS Cluster
- Assisted in the development of a flood model to predict flooding in the New York area
- Used machine learning techniques like KNN and Random Forest to validate flood sensor data
- Analyzed the computation complexity of machine learning models with parallel processing

Undergraduate Computer Science Teaching Assistant Jan. 2024 - Apr. 2024
Clemson University School of Computing *Clemson, SC*
- **Technologies:** C++, C, Emacs, Vim, VS Code
- Co-led lab sections for CPSC 1020 by teaching lessons and answering student questions
- Collaborated with other TAs and the professor to ensure the success of all students

VEX Robotics Club President Aug. 2022 - May 2023
J.L. Mann High School *Greenville, SC*
- Oversaw the management of a large club organization (60+ members) to lead it to success

VEX Robotics - Volunteer Aug. 2021 - Present
Robotics Education and Competition Foundation *Greenville, SC*
- Assisted in tournament set up and help run robotics tournaments across the state to promote STEM education

Education

Clemson University Aug. 2023 - May 2027
Bachelor of Science in Computer Science, Honors College *GPA: 4.00/4.00*
- Relevant CW: Linear Algebra, Algorithms and Data Structures, Discrete Structures for Computing, Introductory Business Statistics, Software Development Foundations (IP), Intro to Computer Organization (IP)

Projects

Machine Learning Flappy Bird | *Python, Pygame, Machine Learning*
- Python program that trains a neural network machine learning model to play Flappy Bird

Poker Hand Evaluator | *C++, Pointers, Basic Combinatorics, OOP, Makefiles*
- Terminal program that evaluates the strength of players' hands in Texas Hold Em' Poker

Personal Website | *HTML, CSS*
- Created a simple website using HTML and CSS to display projects

Technical Skills

Languages: C/C++, Java, Python
Dev. Tools: Git, GitHub, VS Code, Emacs, Vim, Jupyter Notebooks, AWS Cluster
Libraries: Pandas, Numpy, MPI, Matplotlib

Awards

2023 CU Hack It Freshman Hello World Competition: Best Hardware Hack
- Worked with a team of 4 to design and model a programmable car using Fusion 360 and C++

South Carolina Palmetto Fellows Scholarship Recipient
2021 - 2022 VEX Robotics South Carolina State Championship: Tournament Champions