Kenny Sun

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

EDUCATION

Clemson University — Clemson, SC
Bachelor of Science in Computer Science, Honors College, Freshman, 4.0 GPA — *Aug. 2023 - May 2027*

J.L. Mann High School — Greenville, SC
High School Diploma, 5.076 GPA — *Aug. 2019 - May 2023*

EXPERIENCE

Undergraduate Computer Science Teaching Assistant — January 2024 – Present
Clemson University — *Clemson, SC*
- Leading lab segments for CPSC 1020 students by teaching the lesson and helping students on the lab assignment
- Hosting office hours to help students with assignments and better understanding the material (C++)
- Working with other TA's and the professor in a professional environment to ensure the success of all students
- Grading lab assignments and programming projects

RECF Vex Robotics - Volunteer — Aug. 2018 – Present
Schools in Greenville County — *Greenville, SC*
- Assisting in helping set up and run robotics tournaments across the state to promote STEM education
- Volunteered as a referee for robotics matches
- Volunteered as a Tournament Manager setting up the system to run tournaments as well as troubleshooting technical issues during tournaments

J.L. Mann Robotics Club - Club President — August 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
- Also competed in VEX robotics competitions building and programming robots to overcome challenges
- Used C++ and version control to control robots autonomously with concepts such as PID and win one state championship and make it to the VEX Robotics World Championship twice

PROJECTS

Poker Hand Evaluator | *C++, Pointers, Basic Combinatorics, OOP, Makefiles* — October 2023 – December 2023
- Developed a terminal based application to evaluate poker hands
- Terminal prompts user for hole 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* — November 2023 – Present
- Created a simple website using HTML and CSS to display my work

Vignere Cipher Encoder/Decoder | *C++, Linked Lists, Queues, OOP* — October 2023 – November 2023
- CPSC 1070 project that involved encoding messages using a vignere cipher or a "rotating Caesar shift"
- Additional functionality of decoding scrambled messages without a known key (assuming the key was a 3+ letter word and the message consisted of only words)

TECHNICAL SKILLS

Languages: Java, C/C++, Some Python
Developer Tools: GitHub, VS Code, Emacs
Soft Skills: Fast learner, Working in a team setting, able to pick new technology up quickly