| Yixuan Lu  Aspiring programmer, Del Norte Sophomore  GPA: Unweighted:4.0/Weighted:4.28 | **San Diego, CA 92127**  **(858) 413-4998**  **maodou1258@gmail.com** |
| --- | --- |
| **LEADERSHIP**  **CyberAegis Team, Organization Lead and Linux Specialist**  JULY 2021-PRESENT   * Del Norte’s CyberPatriot Team   + Nationwide competition for cyber-security and real-time cyber threats.   + 4 years of experience, 2 years of leadership. * Design Training materials for team practice.   + Presentation and lessons on Linux concepts   + Organization of club meetings and lessons   + Construct training images (virtual machines) for team members to practice competition skills   + Proctoring club tryouts and other events.   **Project Art of Learning, VP of Project Operations**  MAY 2022-PRESENT   * A 501(c)(3) non-profit organization aimed to provide one-to-one tutoring sessions in math and computer science for low-income, immigrant, and refugee students.   + Maintain social media platform   + Organize Club Events   + Assist club directors with curriculum and activities.   **Del Norte Physics Tutoring Club, Secretary**  SEPT 2021-PRESENT   * School club designed to assist high school students in physics 1-2, AP Physics C: Mechanics, and AP Physics C: Electricity & Magnetism.   + Keeps record of club activities.   + Maintaining club face and advertisement.  EXPERIENCEInternship, Franklin Research Internship ProgramMAY 2021 - JULY 2021  * Research Program dedicated to various research topics under a mentor.   + Developed statistics and data collection skills   + Researched the efficacy of various recommendation algorithms.   + Studied the basic topics of machine learning.     - Regression     - Classification  Volunteer, Education for Nepal, Math tutorOCTOBER 2020 - PRESENT  * Cooperated with students from Nepal * Taught students valuable skills in the field of mathematics   + Covered a broad range of topics including  Algebra, trigonometry, and pre-calculus concepts * Created tutoring videos for students  Volunteer, Cyber Education Initiative, TutorJULY 2020 - SEPT 2020  * Club’s purpose was to inform young children about the importance  of safety in the cyberspace and how to protect oneself from  cyberattacks * Topics taught:   + Basics of the Linux OS and terminal.   + Security countermeasures on the windows OS   + Computer Networking and how network devices communicate  Volunteer, 3D-printing clubNOVEMBER 2020 - JANUARY 2021  * Club’s purpose is to utilize 3D printing technology, to produce safe   and usable shields for medical workers during Covid-19.   * Created around 40 masks | SKILLSET  * **Programming Experience:** 2-3 years of experience in Python. Currently studying C/C++ language, algorithms, and data structures. * **Cybersecurity principles:** Experience in white-hat hacking, red vs blue scenarios, familiarity with Linux and windows forensics tools.   **Linux Environment:** Familiar with navigating the terminal and the Linux file system.  **Git:** Aware of the basic functions of the software control tool for group collaboration.   * **Computer Networking:** Basic knowledge of networking devices, OSI model, and experience with Cisco packet tracer. Planning for CCNA examination. * **Computer Architecture:** Started learning the x86 and ARM architectures. * **Mathematics**: Familiar with Trigonometry, Algebra, and Calculus concepts.  AWARDS **CyberPatriot**  **2nd Place nationally**  Middle School division (**12th season**)  **8th Place nationally**  High School (Open) Division **(13th season)**  **4th Place nationally**  High School (Open) Division  **(14th season)**  **Socal CyberCup**  **1st Place** Junior Varsity Division (**2019-2020**)  **California Cyber Innovation Challenge**  **9th Place** High School Difficult Division, led the team as Team Captain  **President’s Volunteer Service Award**  **Gold Award -** Teens, 100+ hours of volunteer work |

**INTERESTS**

* In my free time, I enjoy learning programming concepts as I find them interesting and intriguing. I’ve discovered that by treating difficult or daunting problems as fun logic puzzles instead, I could enjoy my time researching these topics while improving my competency as a programmer.
* Recently I’ve developed a growing interest in the Machine Learning field. I’m most proficient with traditional programming, but the growth in the popularity of Machine Learning opened my eyes to its future potential. Although I still view myself as a beginner in the field, I hope to improve over time and develop the necessary skills for my own projects.