Chujun Xu (Jerry)

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Education
- **B.S. in Computer Science, UCLA** (October 2020 - June 2024 (expected))
  - GPA: 4.0
  - Courses: Introduction to Programming in C++, Data Structures and Algorithms (in progress), Logic Design of Digital Systems (in progress)
- **Piedmont Hills High School** (August 2016 - May 2020)
  - GPA: 4.0 unweighted, 4.57 UC weighted
  - SAT: 1590
  - SAT Subject Test: 800 for Math II, 800 for Physics
  - 5 in AP CS A, Calculus BC, Physics C: Mechanics, and Physics C: E&M

Projects
- **Traffic Light Recognition** [link]
  - Programmed a machine learning model (convolutional neural network) that can recognize the state of a traffic light, resulting in 91% accuracy
  - Used open source Bosch dataset with annotated images of traffic lights
  - Wrote a research paper, created presentation and video detailing results
  - Used Python, PyTorch, NumPy, and Matplotlib
- **California State Summer School for Mathematics and Science (COSMOS)**
  - Participated in COSMOS UCSC in 2018, Computer Networking and Robotics
  - Programed a robot to navigate through a maze using sensors and state machines in C programming language
  - Created Google Sites website with Computer Networking notes and a page explaining encryption topics like Caesar Cipher, Vigenère Cipher, and Diffie-Hellman Key Exchange [link]
- **Personal Website** (in progress) [link]
  - Created a personal website portfolio from scratch using HTML/CSS, Github pages, and Jekyll

Experience
- **ACM Cyber Intern at UCLA** (November 2020 - present)
  - Worked with a team of 18 on cybersecurity related workshops on topics such as PHP
  - Competed in various CTFs such as DTCC CTF and MetaCTF

Volunteering
- **President of California Scholarship Federation (CSF)** (2019-2020)
  - Led weekly meetings at school for around 300 members and different volunteer activities every month (119.5 volunteer hours)
  - Spearheaded major CSF events like Christmas Carnival for the underprivileged children at San Antonio Elementary
  - Revived past annual events such as charity brunch with performances, fundraising almost $700
- **Vice President of Administration of Key Club** (2019-2020)
  - Received Distinguished Secretary award for e-portfolio in Cali-Nev-Ha District, 2018 [link]
  - Led weekly meetings for around 200 members, helped organize large events like Badminton Tournament, in which all the profits went towards the Pediatric Trauma Program (212.5 volunteer hours)
  - Organized team for Relay For Life, a 12 or 24 hour event where volunteers walked around a track to help raise awareness for cancer treatment and cure