Chujun Xu (Jerry)

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Education
- **B.S. in Computer Science, UCLA** (October 2020 - June 2024 (expected))
  - GPA: 4.00/4.00, Deans Honor List for Winter, Spring 2021
  - Courses: Data Structures and Algorithms, Logic Design of Digital Systems, Computer Organization, Software Construction, Operating System Principles (in progress)

Projects
- **Caligo** [link]
  - Created Chrome extension called Caligo, which enables dark mode and changes fonts on any webpage for accessibility
  - Worked in team of 2 over the course of 1 week, for LA Hacks 2021
  - Utilized HTML/CSS, Javascript, and Chrome APIs
- **Personal Website** (in progress) [link]
  - Created a personal website portfolio from scratch using HTML/CSS, Github pages, and Jekyll
- **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 in C using state machines
  - Created Google Sites website with Computer Networking notes and a page explaining encryption topics like Vigenère Cipher, Diffie-Hellman Key Exchange [link]

Experience
- **Software Engineer Intern at Stellar Cyber** (June 2021 - September 2021) [link]
  - Connected Prometheus's Alertmanager and a heartbeat server through a Flask app that additionally verifies credentials; Runs in a Docker container in a Kubernetes pod
  - Added multiple custom CLI commands, such as resizing root filesystem and LVMs
  - Created a unit testing framework in Python and added numerous test cases
- **ACM Cyber Officer at UCLA** (November 2020 - present) [link]
  - Worked with a team of 18 on cybersecurity related workshops on topics such as web shells in PHP, historical ciphers, etc.
  - Competed in various CTFs such as DTCC CTF and MetaCTF
- **UPE member at UCLA** (April 2021 - present) [link]
  - Inducted into computer science honor society for top 1/3 of undergraduate CS/CS-related majors
  - Tutored other undergraduates on lower div classes such as Data Structures and Algorithms

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