Sullivan Xiong

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Education

Cal Poly San Luis Obispo   San Luis Obispo, CA (September 13, 2018 — June 2022)

Bachelor of Science – Software Engineering

GPA: 3.458   **Expected Graduation Date:** June 2022

Work experience

Jr Linux Management Admin   Cal Poly SLO, CA (September 19, 2019 – Present)

- Maintained Cal Poly SLO's servers physically, and remotely through terminal access.
- Developed the Cal Poly Computer Science Department's PXE Server from scratch.
- Operated and developed software in Unix OS, Linux OS, Windows, and Mac OS X.

Engage3 Summer Intern   Davis, CA (June 24, 2019 – August 16, 2019)

- Scraped data using nodeJS to grab and parse the HTML, and then filtered with keywords based on clients' needs.
- Reviewed development code for cleanliness, bugs, and functionality.

Projects

Raspberry Pi 4

- Developed an Apache Server, nodeJS Server, PXE Server, OpenSSH Server, and SMTP Server.
- Created a work around DHCP assigning a Dynamic IP with Cronjobs, Python, and SMTP.
- Designed a reverse SSH tunnel to my AWS EC2-instance which allows me to ssh into my Raspberry Pi from anywhere while on the restricted Cal Poly WiFi network.

AES 256-bit Encryption

- Created a 256-bit AES encryption software that can encrypt any file with Python and PyCrypt.
- Designed the software to encrypt and decrypt using the python script, a key, and a password.

SLO Hacks GO!   Cal Poly Slo, CA (November 16, 2019 — November 16, 2019)

- Awarded the 2nd place winner prize at SLO Hacks GO!
- Designed a price predictor for Hardware prices in Python using a webscraper to acquire data, machine learning to train and predict prices using the LSTM algorithm, and Numpy to generate graphs and charts for human readability of the predicted prices.

About Me

Programming	JavaScript • nodeJS • expressJS • Python • jQuery • Java • Bash
Web/Media	Angular • HTML • CSS
Database	MongoDB • Firebase
Server	Apache • PXE • OpenSSH • SMTP • DHCP • Docker