

Jay Chong

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EDUCATION

University of California, Berkeley

BS, Electrical Engineering and Computer Science

Berkeley, California

August 2024 – May 2026

Diablo Valley College

AS, Computer Science and Engineering

Pleasant Hill, California

August 2022 - May 2024

EXPERIENCE

National Center for Supercomputing Applications

Incoming Cybersecurity Engineering Intern

Champaign, Illinois

June 2024 - August 2024

- Helping to protect ACCESS's CI – a highly complex and heterogeneous environment by managing vulnerabilities, analyzing security log data, and performing security vetting tasks.
- Collaborating on real-world projects, including cybersecurity defense strategies and contributed to the development and monitoring of tech platforms.
- Aiding in the development of an information sharing platform, and enhancing networking performance through the use of perfSONAR and best practices.

SETI Institute

Research & Computing Intern

Mountain View, California

January 2024 – June 2024

- Contributed to the modification of RADMC3D, an astrophysical tool to compute particle wind models of protoplanetary disk formation in new stars.
- Assisted Dr. Gorti in researching and designing an astrophysical math model to compute density data that can be visualized in 2D slices and 3D.
- Utilized Numpy, Matplotlib, and Python3, to process and aggregate data to feed into RADMC3D computation model to produce images.

Palo Alto Networks

Entry Cybersecurity Student

Remote

February 2022 - February 2024

- Worked in virtual environments to simulate cloud and network breaches.
- Knowledge of automation functionalities of Strata, Prisma, and Cortex.
- Certified as an Entry Level Cybersecurity Technician (PCCET) in accordance to NIST.

CodePath

Intermediate Cybersecurity Student

Remote

September 2023 – December 2023

- Developed technical skills relevant to digital forensic and incident response investigations.
- Proficient in endpoint monitoring, log analysis, and network security.
- Skilled in threat intelligence sharing and using frameworks like ATT&CK for enhanced cybersecurity.

PROJECTS

Notion Reminder Bot | Discord.JS, Python, Javascript

December 2022 - February 2023

- Co-developed the Notion Bot, a discord bot that delivers task notifications from Notion.
- Built 9 custom slash commands to execute bot commands & integrated error handling and bot optimization.

Disk Wind Density Modeler | Python, Jupyter Notebook

February 2024 - June 2024

- Simulates stellar accretion disk winds based on a math model, calculating the wind density.
- Utilized Numpy & Matplotlib to visualize density data on a plot.

SKILLS

Languages/Libraries: Javascript, Python, C++, Bash, x86 Assembly, Numpy, Matplotlib

OS: Linux, Unix, MacOS, Windows, Ubuntu, Kali Linux

Cybersecurity Tools: Nmap, Splunk, Burpsuite, Wireshark, Snort, Catalyst, Nginx, Metasploit