

Alan Shiah

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Skills

- C++ | Python | Java | Git | BASH | HTML | CSS | JavaScript | MySQL | PostgreSQL | Nmap | Wireshark | Burp Suite
- OOP | Unit Testing | Penetration Testing | Network Enumeration | Network Traffic Analysis | Linux | Kali Linux
- Frontend | Backend | Full-Stack | Red Team | Blue Team | Purple Team | English

Experience

Computer Hardware Technician CompTechS Internship *Cupertino, CA, USA* **11/2022 - 02/2023**

- Diagnosed and resolved hardware or software issues on around 5+ refurbished computers per day.
- Provided impoverished or disadvantaged students with access to refurbished personal computers and free technical support.
- Zeroed out computers to securely erase all data from the hard drive to prevent unauthorized access to student information.
- Installed, configured, and tested operating systems and software for refurbished computers.

Retail Sales Associate ASICS Corporation *Milpitas, CA, USA* **05/2023 - Present**

- Collaborated with team members to achieve sales goals, creating a positive and supportive work environment.
- Answered customer inquiries through a maintained knowledge of current policies, product information, and sale promotion.
- Consistently maintained a professional and friendly manner to provide a positive experience.
- Assisted in inventory management by receiving shipments and performing stock checks.

Education

Community College for Transfer De Anza College *Cupertino, CA, USA* **08/2022 - 07/2024**

- Major in Computer Science and Computer Engineering

Bachelor of Science University of California, Irvine *Irvine, CA, USA* **09/2024 - 07/2026**

- Major in Computer Engineering

Projects

- **Portfolio Website:** Created a professional portfolio website from scratch to showcase my skills, projects, and achievements. This can be found on alanshiah.com.
- **Terminal-based Kelley Blue Book:** Developed a server-client application, enabling bidirectional communication between server and client. Server-side awaits incoming connections, processes .properties files, and stores interpreted data in custom car class. Client-side is able to connect to the server, upload .properties files, and access existing stored car object data.
- **CIS-22B Itty Bitty Airfreight:** Developed an application that reads, organizes, then stores airfreight shipment data from a file. Rejects certain airfreight shipments based on custom shipment constraints. Information is presented in a neat format in the terminal.
- **Conway's Game of Life:** Programmed an interactable GUI simulation of Conway's Game of Life, a cellular automaton created by John Conway in 1970. Simulates cells' interactions based on predefined rules, creating emergent patterns.
- **Connect Four:** Created a simple terminal-based Connect Four game using Python to experiment with algorithms to check valid matrix solutions.
- **Sudoku Solver:** Programmed a Sudoku solver to experiment with utilizing a recursion backtracking algorithm constrained by bounding functions.

Mentorship

- **Cyberpunks:** Cybersecurity club Founder and President | Mentored ~20 students concurrently | Members: ~160 **(08/2022 - 07/2023)**

Others

- **3rd Place Ukiah Science Olympiad Invitational:** Won 3rd place in Ukiah Science Olympiad for Protein Modeling in Division C **(02/2020)**
- **AP Scholar:** Received AP scholar award for taking multiple AP classes, and passing their associated examinations **(08/2018 - 07/2022)**
- **Summa Cum Laude:** Graduated Milpitas High School with over a 4.0 weighted GPA **(07/2022)**