

Arthur Nguyen

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EDUCATION

California State Polytechnic University, Pomona
Bachelors of Science, Computer Science, GPA 3.8

Expected December 2025
Pomona, CA

WORK EXPERIENCE

Network & Azure Cloud Operations Intern

May - August 2025

Executive Office of the Board of Supervisors

Los Angeles, CA

- Shadowed senior engineers, observing daily incident response and change operations across Windows Server, Hyper-V, and Azure IaaS/PaaS workloads
- Troubleshoot Layer 2/3 issues and Windows Server faults via PowerShell, Azure Cloud Shell, and Windows Admin Center, resolving low-priority tickets and documenting root-cause in Azure DevOps Boards
- Performed routine maintenance such as WSUS patching, Azure Update Manager schedules, and Active Directory health checks, cutting repetitive alert volume by 15 % after scripting common fixes
- Assisted with physical data-center tasks: labeling Cat6/fiber runs, verifying links with Fluke testers, and recording rack elevations in Excel/SharePoint for asset tracking.

Open Energy Dashboard

October - December 2023

SWE Micro-Internship - CTI/CodeDay

Monterey Bay, CA (remote)

- Contributed to an open-source project that developed a user-friendly web application for displaying energy information, making it accessible for users at no cost and encouraging widespread engagement.
- Collaborated with a team to implement test cases for the readings retrieval API, strengthening the project's testing suite, ensuring robustness and accuracy in handling specific unit configurations, and contributing to the overall reliability of the API. (Technologies Used: JavaScript, Node.js, Plotly.js, PostgreSQL)

PROJECTS

Stock Price Analytics Dashboard

June 2024

Skills: Python, Django, PostgreSQL, HTML/CSS, Docker

- Designed and developed a real-time stock analytics platform, enabling users to track and analyze market data via a public-facing web application
- Integrated the Finnhub API to fetch and display live stock prices, historical trends, and key financial metrics
- Developed an interactive dashboard and built a scalable backend using Python(Django) and PostgreSQL to ensure efficient data storage and retrieval.

Personal Portfolio Website

May 2025

Skills: TypeScript, React, Vite, Tailwind CSS, Azure

- Designed and built a single-page portfolio using React + Vite and deployed it on Azure cloud services
- Automated CI/CD via GitHub Actions to Azure Static Web Apps; every 'git push' triggers tests, build, and global deploy

Shelter Strain Prediction in Los Angeles County

February 2025

Skills: Python, scikit-learn, NumPy, pandas, matplotlib

- Developed a machine learning pipeline to predict shelter strain across LA county, using data from 6+ sources including housing inventory, homelessness counts, evictions, unemployment, and weather data (2023-2024)
- Engineered a custom Shelter Stress Index as a proxy for occupancy overload to support policy level decisions and triage planning
- Designed modular Python scripts for data ingestion, cleaning, feature engineering, and model training, enabling reproducibility and extensibility

SKILLS

- **Programming Languages:** C/C++, Java, Python, JavaScript, SQL, TypeScript, HTML, CSS
- **Frameworks:** Django, PostgreSQL, React, Node.js, Tailwind CSS
- **Tools:** Git, Github, Docker, Azure, Linux/Unix, Powershell
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Architecture, Machine Learning, Parallel Processing, Systems Programming