

Nicholas Nguyen

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EDUCATION

San Diego Miramar Community College

Associate's Degree for Transfer, Computer Science

San Diego, CA

Jan. 2021 – June 2024

San Diego State University

Bachelor of Science, Computer Science

San Diego, CA

Aug. 2024 – Dec. 2026

EXPERIENCE

Aesthetic AI

Software Engineer Intern

Los Angeles, CA

Jan. 2026 – May 2026

- Pre-seed consumer startup - \$1.5M raised at \$10M valuation, 100,000+ users
- Architected and shipped an Instagram growth automation platform monitoring 1,200+ creator accounts and processing 54,000 posts per month to drive app traffic and bringing down operational costs by 90%
- Shipped creator storefront launch — rebuilt checkout commerce APIs and instrumented PostHog analytics across web and serverless for GMV, subscribers, and per-merchant conversion
- Built a multimodal LLM pipeline to standardize product descriptions across an entire commerce catalog

Coastal Payroll Services

IT Intern

San Diego, CA

Dec. 2022 – June 2024

- Helped establish an internal IT department for a 100+ employee company
- Standardized employee onboarding using Microsoft Active Directory, iSolved, and ConnectWise, enabling organization to onboard employees remotely as well as make process 50% faster
- Resolved 500+ critical hardware and software failures, prioritizing data loss prevention and cybersecurity ticket triaging to maintain a 98% system uptime for systems across the organization.

Minh Ky Restaurant

Co-Owner

San Diego, CA

Oct. 2023 – Present

- Scaled a family-owned Chinese restaurant into a multi-million-dollar business through operational improvements and sustained revenue growth
- Negotiated vendor contracts and oversee operations for employees, including staffing, inventory, purchasing, and day-to-day management
- Analyzed sales, labor, and growth opportunities, bringing in 100,000s in revenue due to new process implementations

PROJECTS

Real-Time Stock Pipeline — *Python, FastAPI, Kafka, Docker, Nginx*

- Built an event-driven ingestion pipeline using Kafka to stream simulated stock ticks into a sharded storage layer, with idempotent consumers committing offsets only after successful writes
- Implemented deterministic shard routing (hash-mod-N) across in-memory shards, with unit-tested distribution and key-prefix routing for users, picks, and price data
- Fronted the FastAPI service with an Nginx API gateway enforcing per-IP rate limiting and reverse-proxy routing

Self-Hosted Unix Network — *OpenBSD, FreeBSD, Linux, BIND, OpenLDAP, NFS,*

- Configured a multi-host Unix lab with internal DNS (BIND), LDAP authentication (OpenLDAP + sssd), shared home directories over NFS, and a private CA issuing TLS certificates for inter-service auth
- Ran a FreeBSD mail server (sendmail + dovecot) integrated with the lab's LDAP directory and CA, so any directory user could send mail between hosts and read it via TLS-encrypted IMAP from a desktop client

Class Registration Assistant — *TypeScript, Chrome Extension (Manifest V3)*

- Chrome extension injecting RateMyProfessors ratings on RateMyProfessors.com directly into the CSUF class registration UI via GraphQL API & reducing time spent registering by 27%

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, Java, C

Frameworks & Tools: React.js, Node.js, Express.js, Git, Docker, Redis, Linux, AWS, PostgreSQL, DynamoDB