

Phong Nguyen

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Education

University of California, Los Angeles

Los Angeles, CA

BA in Computer Science and Linguistics - GPA: 3.8

Expected Graduation: June 2027

- **Coursework:** Data Structures and Algorithms, Machine Architecture and Assembly, Object-Oriented Programming, Discrete Structures, Integration and Infinite Series, Linguistic Analysis, Applied Phonetics

Work Experience

Greenpoint Financial

June 2025 – Present

Software Engineer Intern

Rye, NY

- Engineered Python web scraper using **BeautifulSoup** to extract financial rates from HTML and deployed on **Azure Functions** with scheduled triggers and reduced analysts' manual effort by **10+ hours per week**
- Cleaned and analyzed data from **100+** banks, designing **relational schemas** to support the Python web scraper
- Collaborated with C-suite executives to develop **Power BI dashboards** with interactive graphs, highlighting the client bank's rate changes and competitive positioning, improving **investment strategies by 50%**

Creative Labs

March 2025 – Present

Developer Lead

Los Angeles, CA

- Led 6 devs through **agile sprints** to deliver app for discovering, rating, and reviewing cafes, directed standups, set **GitHub** code review standards, coordinated with UI/UX designers to implement **20+ Figma mockups**
- Spearheaded **full-stack development** using **React Native** for front-end, **Node.js + Express** for **RESTful back-end**, **Firebase** for login, **MongoDB** for data storage, and **Mongoose ORM** for data interaction
- Designed data aggregation system to surface frequently mentioned attributes (e.g., "quiet," "strong wifi," "good study spot") and calculate sentiment-adjusted average ratings across user submissions

UCLA Radio

January 2025 – Present

Software Developer

Los Angeles, CA

- Joined a **20-person** developer/design team to modernize UCLA Radio's tech stack; contributed to building the Show Archive website using **Next.js**, enabling users to browse, filter, and stream archived broadcasts
- Automated data processing of **1,000+ past show records** for Show Archive website by consolidating and cleaning CSVs using **Pandas** and integrating **Google Cloud Drive API** to retrieve audio links/names

Code Ninjas

May 2023 – June 2025

Coding Instructor

Sacramento, CA

- Taught **200+ students** (ages 7–14) fundamentals of computer science through gamified lessons in **block-based coding, Python, JavaScript, C#, Lua**; designed curriculum and led summer camps for **20+ students each**
- Acted as liaison for parents, pitching the curriculum to prospective students, achieving **75% enrollment rate**

Projects

AI Fitness Tracker | *React, Flask, TensorFlow, Express, MongoDB, Gemini AI*

- Built **AI fitness app** with real-time exercise feedback using **Google MoveNet Pose Estimator** and **TensorFlow** to count repetitions, track limbs, and detect bad form by measuring angle thresholds between keypoints
- Designed front-end with **React**, account login with **Flask + MongoDB**, and virtual coach with **Gemini AI API**

Image-to-Song AI | *React, Flask, Hugging Face, Groq*

- Developed web app that recommends songs based on uploaded images with a **React** front-end and **Flask** back-end
- Optimized **AI recommender** to work without API tokens constraints/costs by using local **Hugging Face model** to process image into **word-based tags** which were queried to free chat models via **Groq** for song suggestions

UCSB Dine-In | *Next.js, Supabase, UCSB API, Tailwind, Bootstrap*

- Created **Next.js** website for UCSB students to view and provide their own reviews on dining hall meals around campus, utilizing **Supabase** to store review information and images, and **TailwindCSS + Bootstrap** for styling
- Leveraged **UCSB Student Developer API** to retrieve **200+ unique food items** daily from **4 dining halls**

Technical Skills

Languages: Python, C++, Java, JavaScript, Typescript, HTML/CSS, SQL, Assembly

Technologies: React, Node.js, Express, Flask, Git, MongoDB, Supabase, Firebase, Cursor, Prompt Engineering

Interests: Cooking, Intramural Soccer, Bass Fishing, Valorant, Stock Trading