

Phi Hung Nguyen

Simi Valley, CA | nguyen.ph8299@gmail.com | 805-304-8470 | [linkedin.com/in/phi-nguyen](https://www.linkedin.com/in/phi-nguyen) | [My Website](#)

EDUCATION

University of California, Los Angeles (UCLA)

Bachelor of Science in Computer Science

Los Angeles, CA

Expected Dec. 2025

Moorpark College

Associate of Science in Computer Science, Mathematics and Physics

Moorpark, CA

2020 – 2023

4.0 GPA, Dean's List every semester

Cornell University

Certificate in Machine Learning Foundations (e-Cornell), Break Through Tech

New York, NY

Completed Aug. 2024

PROFESSIONAL EXPERIENCE

Machine Learning / Data Science Engineering Fellow

SparkCognition

Aug. 2024 – Present

Los Angeles, CA

- Performing image captioning, visual question answering, and multimodal sentiment analysis using cutting-edge vision-language technologies
- Leveraging advanced frameworks like Ray and TensorRT to create robust, high-performing systems
- Fine-tuning models including Google Gemini, NanoOWL, and LLaVA for specialized business applications

LEADERSHIP EXPERIENCE

ML/AI Fellow

Break Through Tech AI UCLA

May 2024 – Present

Los Angeles, CA

- Selected from 3000+ applicants to participate in a 12-month program mastering data analysis pipelines
- Applied Neural Network models to various tasks, including regression through Image Recognition and Computer Vision, Natural Language Processing
- Honed data preparation, modeling, and evaluation skills using NumPy, Pandas, and Matplotlib

PROJECTS

ClassSync Project — Security Lead | *React, CSS, Firebase*

Jan. 2024 – Mar. 2024

- Collaborated with a team of four to create an alternative UCLA Degree Audit System tailored for Computer Science students.
- Engineered the integration between front-end and back-end, implemented Cloud Firestore operations, deployed a finished build for the users.
- Developed a comprehensive authentication system, enabling secure sign-up/sign-in via email.

Iron Man Gauntlet - Hack Competition — Electrical Lead | *Arduino, HTML, CSS, JavaScript*

Jul. 2023

- Led a team of 3 to design a gauntlet within 48 hours with functional sensors and real-time data transmission.
- Developed an Arduino-based circuit with ultrasonic, air quality, and temperature/humidity sensors, combined with an OLED display, collaborated with two CAD and Web Dev teammates to achieve near-instant (3ms) data transfer from gauntlet to website.
- Presented the design to a panel of judges and received recognition for the Most Innovative Electrical Design.

IPODUINO — Programmer | *Arduino Nano, Buzzer, LEDs*

Jul. 2023

- Developed a dynamic music player circuit utilizing a buzzer and multiple LEDs with Arduino Nano.
- Implemented a song-switching feature, enabling near-instant (5ms) song changes via a simple button press.
- Presented the design and received an award for being one of the top 3 Ipoduino designs in the program.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML

Development Tools: Visual Studio, GitHub, Git, Arduino

Libraries, Packages, and Databases: React, Node.js, Firebase, Pandas, NumPy, Keras, TensorFlow, Scikit-learn