

Erik Nguyen

+1 949-702-9192 | 20nguyened@gmail.com | linkedin.com/in/erik-nguyen20 | github.com/ErikNguyen20

EDUCATION

UCSD (University of California, San Diego)

La Jolla, CA

M.S. in Computer Science

Sep 2024 - Present

- Incoming Student. Expected Grad Date: Jun 2026

CSUF (California State University, Fullerton)

Fullerton, CA

B.S. in Computer Science

Aug 2022 - Aug 2024

- Graduated with Summa Cum Laude Honors**
- GPA: 3.94/4.00**
- Activities: CIC-PCUBED & Project RAISE Research Mentor, Undergraduate Researcher, Instructional Assistant

SKILLS

Programming: Python, Java, C/C++, C#, Lua, LaTeX

Applications: Android Studio, Jupyter Notebook, PyCharm, IntelliJ, Git/GitHub, Excel

Libraries: PyTorch, Pandas, Flask, TensorFlow, NumPy, Scikit-Learn

EXPERIENCE

Thales

Irvine, CA

Software Engineering Intern

Jul 2024 - Present

- Developed and executed **JUnit** & **Mockito** tests on the Android platform, ensuring full JaCoCo compliance for code coverage and quality assurance.
- Conducted research and evaluation of a new Thales **LLM** designed for internal use, assessing its potential for adoption among current software engineers. Presented findings to key stakeholders.

CEDDI Lab (Prof. Sampson Akwafuo)

Fullerton, CA

Researcher

Feb 2024 - Sep 2024

- Carried out research and developed a machine learning model for facial beauty perception, incorporating safeguards to minimize racial bias through advanced computer vision and **GNN** deep learning techniques.

California State University, Fullerton

Fullerton, CA

Student Research Mentor

May 2024 - Aug 2024

- Guided and mentored **20+** students on data science & pairs trading research projects, with topics that involve statistical analysis, data preprocessing, and machine learning.

Instructional Student Assistant

Sep 2023 - May 2024

- Graded and provided detailed feedback on **400+** student assignments/projects on Canvas for **Algorithm Engineering** and **Advanced Algorithms** courses, ensuring timely and accurate assessments during the Fall 2023 and Spring 2024 semesters.

Undergraduate Research, ASSURE-US at CSUF

Fullerton, CA

Researcher

May 2023 - Jul 2023

- Developed a **Random Forest** machine learning model predicting student dropout or graduation using academic and socioeconomic factors, with potential applications in early support interventions. Presented at **SCCUR'2023** and **NCUR'2024** Conferences.
- Created a model for phenological predictions of cherry blossom bloom dates across diverse regions of Japan. Presented findings as an academic poster at the **SIGKDD'2023** Conference for the SoCal Data Science Day track.

PROJECTS

Caption Crafter | Flask Web Application

Jan 2024 - May 2024

- Constructed a Flask web application leveraging image processing/**NLP** and deep learning to autonomously generate textual captions for user-uploaded images.

HONORS & AWARDS

Most Innovative Project Of The Year, CSUF ECS Innovation Expo 2024 Competition

Apr 2024

Summa Cum Laude, Graduated with Honors at California State University, Fullerton

Aug 2024