# Jennifer Yan

(858) 945-4778 ● jenfyan@gmail.com ● linkedin.com/in/jennifer--yan/ ● Irvine, CA 92620

Organized and motivated student eager to contribute to real-world, hands-on projects. Reliable, adaptable, and swift to pick up and apply new skills. Skilled in time management, debugging, and communicating in collaborative environments.

## EDUCATION

**Bachelor of Science: Computer Science** (Expected Graduation July 2029)

University of California, Irvine – Irvine, CA

- **4.0/4.0** GPA
- **121.5** units completed

**High School Diploma** (August 2021 - May 2025)

Canyon Crest Academy – San Diego, CA

- **3.95/4.0** Unweighted GPA, **4.55/4.0** Weighted GPA
- Completed APs and AP Test Scores: **Computer Science Principles** (5), **Computer Science A** (5), **Calculus AB** (5), **Calculus BC** (5), **Physics C: Electricity and Magnetism** (5), **Physics C: Mechanics** (5), **Statistics** (5), **Chemistry** (5)
- MATH 260 **CALC & ANALYTIC GEOMETRY III** and MATH 270 **LINEAR ALGEBRA** at MiraCosta College (8.0 total units)
- Awarded **AP Scholar with Distinction**, **National Merit Commended Scholar**

## EXPERIENCE & PROJECTS

**Full-Stack Developer** | September 2025 to Present

*Commit the Change - University of California, Irvine*

- Building a **centralized appointment managing platform** which supports daily quota creation and tracking as well as tiered permission portals for the call center at **Celebrating Life Community Health Center**, a nonprofit organization which offers affordable healthcare to **22,000+ patients**
- Developing features using technologies such as React, Node.js, and PostgreSQL
- Working with **UI/UX designers** and **project managers** to ensure client is satisfied

**Lead Developer** | June 2024 to August 2024

*Course Project (COM SCI 97: Variable Topics) - University of California, Los Angeles*

- Led a team in developing a **generative AI chatbot** using **OpenAI models** and **Flask**, focused on sharing pasta recipes and managing **ingredient tracking through long-term memory** using prompt engineering
- Contributed the majority of the codebase, including designing and implementing the **user interface** and overall web application architecture.

**Researcher** | April 2024 to July 2024

*1-on-1 Mentorship - Online*

- **Conducted comparative research** on machine learning models for classifying pneumonia in lung X-ray images.
- Implemented a **custom-built model using scikit-learn**, evaluated an **OpenAI zero-shot classification** model, and tested a specialized **pretrained model sourced from HuggingFace**.
- Assessed performance, accuracy, efficiency, and potential for improvement.
- Analyzed and visualized **vector layers** from the neural networks to interpret feature representations.
- **Authored a research paper** summarizing methodology and findings under one-on-one mentorship.

## SKILLS

- **Programming Languages**: HTML/CSS/Javascript, Java, Python, SQL
- **Frameworks**: React, Node.js
- **Python Libraries**: NumPy, Matplotlib, PyTorch, Flask
- **Developer Tools and Platforms**: Git, Github, Visual Studio Code
- **AI/Machine Learning**: scikit-learn, TensorFlow, and NLP tools such as HuggingFace
- **Artistic and Creative**: Attended an art studio for 12+ years