

# Wang (Vincent) Ng

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## OBJECTIVE

UC Davis Computer Science student with hands-on experience in machine learning, deep learning, and AI frameworks like TensorFlow and PyTorch. Eager to apply technical skills in Python and data manipulation to build and optimize AI models in an innovative edge computing environment.

## EDUCATION

**University of California, Davis** Sept 2023 – Dec 2026  
*BS in Computer Science, GPA: 3.7, Senior Standing*

- **Coursework:** Data Structures and Algorithm Design/Analysis, Computer Architecture, Intro to Artificial Intelligence, Operation Systems and Systems Programming, Object Oriented Programming
- **Involvement:** Frontend and Backend Engineer (Google Development Student Club)

## EXPERIENCE

**Data Analytics & Human Resources Intern** Walnut Creek, CA  
*Insperty Inc.* Aug 2022 – Dec 2023

- Coordinated weekly client service reports and generated 25+ actionable data visuals by analyzing marginal rates, employee training rates, and new hire/termination frequency.

**Qualitative Research Intern** Palo Alto, CA  
*Stanford John W. Gardner Center* Jan 2022 – June 2022

- Conducted and facilitated 15+ student interviews to identify key areas of improvement within the Oakland Unified School District.

## PROJECTS

**Aggie Housing** Dec 2024 - June 2025  
*Github* [🔗](#)

- **Managed and integrated 50+ apartment listings into Supabase**, linking key data (pricing, layouts, distance from campus) to a dynamic frontend interface.
  - **Integrated Google Maps API to help 50+ users visualize** future apartment locations in Davis with dynamic pins.
  - **Merged and analyzed 500+ reviews from Google and Yelp**, applying **NLP-based sentiment analysis** to automatically rank the best-rated apartments.
- Tools: React, JavaScript, HTML/CSS, Flask, Python, Supabase, NLTK, Git, Vercel

**AI Misinformation Detector** Oct 2024 – June 2025  
*Github* [🔗](#)

- **Developed a full-stack web app** with FastAPI and React to analyze text for misinformation using **NLP, ML models, and real-time web verification**.
  - **Implemented claim detection and credibility scoring**.
  - **Integrated real-time web search APIs** for cross-referencing claims.
  - **Designed an interactive frontend** for users to visualize claim verification.
- Tools: FastAPI, React, Python, Hugging Face, Pandas, Matplotlib

**Connect 4 AI Bot** Jan – Feb 2025  
*Github* [🔗](#)

- **Built an AI bot to play Connect 4** using the **Mini-Max algorithm with Alpha-Beta Pruning**.
  - Developed a heuristic evaluation function to predict optimal outcomes up to 6 moves ahead.
  - Model ranked in the top 5 of 170 students.
- Tools: NumPy, PyGame, Mini-Max, Alpha-Beta Pruning

## SKILLS

- **Programming:** HTML, Python, Java, JavaScript, CSS, C++, C, Assembly
- **Developer Tools:** PyTorch, TensorFlow, NumPy, Matplotlib, React, NodeJS, Flask, Tailwind CSS, Git, Pandas
- **Topics:** Machine Learning, Computer Vision, NLP, Artificial Intelligence
- **Core:** Data Structures, Frontend, Backend, OOP
- **Hobbies:** Hiking, Pickleball, Swimming, Ping-Pong, Badminton, Weightlifting, Boxing