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*
Insperity Inc. *Aug 2022 – Dec 2023*

- Coordinated weekly client service reports and generated 25+ actionable data visuals for numerous client companies 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*

- **C**onducted 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, increasing user trust and engagement.
  - Tools used: React, JavaScript, HTML/CSS, Flask, Python, Supabase, NLTK, Git, Vercel

AI Misinformation Detector *Oct 2024 – August 2025*
Github

- **Developed a full-stack web application** with FastAPI and React to analyze text for misinformation using **NLP, ML models, and real-time web verification**.
- **Implemented claim detection and credibility scoring** to assess factual accuracy and highlight potentially misleading content.
- **Integrated real-time web search APIs** to cross-reference claims against reliable sources before sharing.
- **Designed an interactive frontend interface** for users to input text and visualize claim verification results.
  - Tools used: FastAPI, React, Python, Hugging Face Transformers, Pandas, MatPlotLib

Connect 4 AI Bot *Jan - Feb 2025*
Github

- **Developed** and trained an AI bot to play Connect 4 using the **Mini-Max algorithm with Alpha-Beta Pruning** for optimized decision-making.
- **Developed a heuristic evaluation function** to assess board states, enabling the AI to make strategic moves by **predicting optimal outcomes up to 6 moves ahead.**
- Model **performed in the top 5** out of 170 students.
  - Tools used: NumPy, PyGame, Mini-Max, Alpha-Beta Pruning

SKILLS

- **Programming Languages:** HTML, Python, Java, JavaScript, CSS, C++, C, Assembly
- **Developer Tools:** PyTorch, TensorFlow, NumPy, MatPlotLib, React.JS, NodeJS, Flask, Tailwind CSS, Git, Pandas, AI/ML Frameworks, Data Manipulation
- **Topics:** Machine Learning, Computer Vision, Natural Language Processing, Artificial Intelligence
- **Core Competencies:** Data Structures, Frontend Development, Backend Development, Object-Oriented Programming
- **Hobbies/Interests:** Hiking, Pickleball, 8-Ball, Swimming, Running, Ping-Pong, Badminton, Weightlifting, Boxing