

# Wang (Vincent) Ng

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## EDUCATION

### University of California, Davis

Sept 2023 – Dec 2026

BS in Computer Science, GPA : 3.8, Junior Standing

- **Coursework:** Algorithm Design and Analysis, Data Structures and Algorithms, Machine-Dependent Programming

## OBJECTIVE

Interested in machine learning, cybersecurity, and web development.

## SKILLS

- Proficient in Java, C++, LaTeX, Python, Assembly, and C
- Data Structures and Algorithms

## EXPERIENCE

### Human Resources & Data Analytics Intern

Walnut Creek, CA

Insperty Inc.

Aug 2022 – Dec 2023

- **Documented, reviewed, and monitored** tracking mechanisms of client companies to ensure timely delivery of HR services.
- **Coordinated** weekly client service reports and **generated** data visuals for numerous client companies (analyzed marginal rates, employee training rates, and new hires and termination frequency).
- **Shadowed** the software development team throughout the year by **studying** their problem-solving processes.

### Qualitative Research Intern

Palo Alto, CA

Stanford John W. Gardner Center

Jan 2022 – June 2022

- **Conducted** and **facilitated** 15+ student interviews regarding areas of improvement within the Oakland Unified School District.
- **Amplified** student voice with qualitative research, and **spearheaded** data visualizations, insights, and recommendations in crafting a presentation for the Oakland Unified School District Board.

## PROJECTS

### Mastermind Game

May - Aug 2024

[Github](#) [🔗](#)

- **Designed** an algorithm to provide feedback on color correctness, and **applied randomization** to **generate unpredictable color codes** for each game session.
- **Utilized list operations, control structures, and Python's zip function** for efficient code comparison and feedback generation.
- Tools Used: Python, Random, Zip

### Typing Speed Calculator

July - Aug 2024

[Github](#) [🔗](#)

- **Created an intuitive command-line interface**, guiding users through the typing test, **enhancing engagement with real-time performance metrics**.
- **Developed robust error handling** to manage user inputs, including backspace functionality for correcting mistakes.
- Tools Used: Python, Curses