Andrew Wesel

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Education

Stanford University. *B.S. in Computer Science.* GPA: 3.85/4.0.   *Graduating 2027*
- Coursework: Linear Algebra, Probability, Systems, Computability Theory, Algorithms, Transformers, etc.
- ASES Breakthrough Fellow: 10-week mentorship with Vikram Venkat (Cota). Focus on AI startups.
- **Boothe Prize Nominee** (Excellence in Writing) for essay on the ethics of military dolphins.

Experience

Machine Learning Engineering Intern   *Mountain View, CA*
Ceramic.ai   *Summer 2025*
- Fine-tuning team at NEA-backed AI infra startup. Model achieved 92% on GSM8k (state-of-the-art).

Consultant   *Stanford, CA*
Stanford Marketing Group   *Oct 2024 - Present*
- **Google**. Pixel Studio go-to-market strategy. Adopted by Director-level team. Projected 10M installs.
- **Hitachi**. Delivered UX redesign for grid management software. Integrated AI chatbot into tutorials.

Debate Coach   *Remote*
Harvard-Westlake School   *Aug 2024 - Present*
- Mentored ten-person team to 13 championship bids through teaching philosophy, economics, and science.

Patent Litigation Intern   *Los Angeles, CA*
Russ, August, and Kabat   *Summer 2024*
- Managed time-sensitive legal documents during $262 million trial MR Technologie v. Western Digital.

Data Science Research Intern   *Santa Barbara, CA*
Media Neuroscience Lab @ UCSB   *Summer 2023*
- Deployed NLP tools validating neutrality of X's (Twitter) crowdsourced fact-checking.
- Built Selenium pipeline to collect and analyze 5000+ samples. Abstract ↗ accepted to AAAS 2025.

Bioinformatics Research Intern   *Los Angeles, CA*
Mangul Lab @ USC   *Summer 2022*
- Benchmarking haplotype reconstruction algorithms. Abstract ↗ accepted to AAAS 2024.
- Discovered discrepancies in performance on *in silico* genomic data generated by SimSeq vs. *in vitro* data.

Software

Nsilico: Survey Response Generation using LLMs   *nsilico.net* ↗
- Generates AI personalities mirroring the U.S. population to simulate survey results with ChatGPT.
- Platform handled 500k token throughput. Results used for market research, statistics coursework, etc.
- Tech Stack: Next.js, Typescript, React, Firestore. Pandas and Matplotlib for internal model evaluation.

Depicto: Daily Puzzle Game with AI images   *depicto.ai* ↗
- Best Project at HackHW for website beta; sourced angel funding while in high school. Launched app after.
- 1000 users, five-star rating on the App Store, and media coverage ↗. 5x industry average 4-week retention.

Systems Programming   *GitHub* ↗
- **Version Control**: Implemented core Git functionality including commits and object handling in Java.
- **Heap Allocator**: Implicit and explicit allocators in C. Implemented custom malloc/free functions.

Additional Information

Languages: C++, C, Java, Python, React, JavaScript, TypeScript, Spanish
Technologies: GitHub, Pandas/ScikitLearn, Firebase, Webpack, LaTeX, LLMs (data, fine-tuning, prompting)
Awards: National Merit Finalist, Cum Laude, 1st in California Ethics Bowl, Top 25 Lincoln-Douglas Debater.