Andrew Wesel

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Education

Stanford University. *B.S. in Computer Science.* GPA: 3.9/4.0
- Data science research in Dr. Stefan Wager's lab. Boothe Prize Nominee for research on military dolphins.

Work Experience

Machine Learning Engineer — *Mountain View, CA*
Ceramic.ai — *Summer 2025*
- Fine-tuning team at NEA-funded AI infra startup. Reasoning model achieved 92% accuracy on GSM8k.

Google Consultant — *Stanford, CA*
Stanford Marketing Group — *Oct 2024 - Present*
- Developed marketing strategy for Pixel Studio, Google's AI-image app installed on 10 million Pixel phones.
- Presented data analysis of 200 survey responses and 20 live focus groups to Pixel Studio product team.

Debate Coach — *Remote*
Harvard-Westlake School — *Aug 2024 - Present*
- Designed argumentative strategy and educational programming for 30 award-winning debaters.
- Developed verbal communication skills and ability to simplify complex topics in politics and science.

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

Software Development Projects

Nsilico: Survey Response Generation using LLMs — *nsilico.net* ↗
- Generates AI personalities mirroring the U.S. population to simulate survey results with ChatGPT.
- Tech Stack: Next.js, Typescript, React, Firestore. Pandas and Matplotlib for internal model evaluation.

Depicto: Daily Puzzle Game with AI images — *depicto.ai* ↗
- Designed and built web app at HackHW (Best Project). Partnered with Blinkgame Inc. for iOS development.
- 1000 users, five-star rating on the App Store, and media coverage ↗. 48% 4-week retention (avg. 8%).

Systems Programming — *github.com/awesel/git$_2$* ↗
- **Version Control:** Recreated Git in Java. Includes functionality for commit and internal Git objects.
- **Heap Allocator:** Implicit and explicit allocators in C. Functionality for "malloc" and "free" of memory.
- **Compression:** Implemented SVD compression in Python and Huffman compression in C++.

Data Science Research

Community Notes Project — Feb 2025
- Deployed NLP tools to validate neutrality of X's (fka Twitter) crowdsourced approach to fact checking.
- Engineered data collection pipeline with Selenium to collect 5000+ samples.
- Statistical analysis: SciPy. Data visualization: MatPlotLib. Abstract ↗ accepted to AAAS 2025.

Wastewater Genomic Surveillance Project — Mar 2024
- Benchmarking haplotype reconstruction algorithms in computational biology. Abstract ↗ at AAAS 2024.

Skills

Languages: C++, C, Java, Python, React, JavaScript, TypeScript, Spanish

Technologies: GitHub, Firebase, Webpack, zsh, LaTeX, LLMs (APIs, prompt engineering)

Awards: National Merit Finalist, Cum Laude, 1st in California Ethics Bowl, 2x Debate Championship Qualifier.