

# Andrew Wesel

✉ [awesel@stanford.edu](mailto:awesel@stanford.edu)    [awesel.com](https://github.com/awesel)    [awesel](#)    [awesel](#)

## Education

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**Stanford University.** *B.S. in Computer Science.* GPA: 3.8/4.0

- Coursework: Linear Algebra, Multivariable Calc., Data Structures, Systems, Probability, Discrete Math.

**Harvard-Westlake School.** GPA: 4.5/4.0. SAT: 1570/1600.

- National Merit Finalist. Cum Laude Society.
- Ethics Bowl: 1st in California. 2nd nationally. Varsity Debate: 2x Tournament of Champions qualifier.

## Work Experience

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**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

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**Nsilico: Survey Response Generation using LLMs**

[nsilico.net](https://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](https://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/git2](https://github.com/awesel/git2) 


- **Version Control:** Recreated Git in Java. Includes functionality for commit and internal Git objects.
- **Heap Allocator:** Implemented in C. Functionality for "malloc" and "free" of dynamic memory.
- **Compression:** Implemented SVD compression in Python and Huffman compression in C++.

## Data Science Research

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**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.
- Identified error-prone edge cases in computer-generated SARS-CoV-2 genomic data.

## Skills

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

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