Antonio Alonso-Stepanov

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Education

Student at Stanford University (June 2026 Expected Graduation)
- Major: Computer Science (Artificial Intelligence Track); Minor: Economics
- GPA: 4.09
- Completed Structural Liberal Education (SLE), a rigorous, year-long program on the Western intellectual tradition
- Clubs: BASES (entrepreneurship club; former VP) and The Stanford Review (independent newspaper; writer)
- 1 For 2 Education Foundation Scholarship Recipient (merit-based; $20,000/yr) (2023)
- Won 2nd place for OpenAI prize at TreeHacks 2025 Hackathon

Graduate of Athens Drive Magnet High School (2019-2023)
- Class rank: 1st out of 444
- 18 AP classes taken (5s on all AP Exams)
- Co-President of three clubs (400+ total members)
- USA Biology Olympiad Semifinalist (2022)
- SAT: 1590/1600; ACT: 36/36 (36 on all four sections); PSAT: 1520/1520 (National Merit Scholar)

Professional Experience

Software Engineering Intern at Meta (Summer 2025)
- Built an internal tool to evaluate different LLM prompts and models for content integrity classification
- Responsible for both frontend (React) and backend (LLM use and data management)
- Collaborated with investigators, security engineers, and designers, pushing 10,000+ lines of code to production

Software Engineering Intern at Meta (Summer 2024)
- Enhanced business onboarding flow for payments platform, implementing address typeahead with Hack/PHP
- Collaborated with cross-functional teams, pushing over 2,000 lines of code to production
- Built seven end-to-end tests in JavaScript that simulate different user interactions with the onboarding flow

Research Assistant in the Keung Lab at North Carolina State University (2021–2023)
- Research focus: DNA-based data storage
- Conducted over 300 PCRs in support of solid-state DNA transfer experiments, procured and tested 5 compounds for increasing efficiency of DNA transfers, assembled oligonucleotide codewords to increase the efficiency of DNA data synthesis, and quantified the electrostatic transfer of powdered DNA

Research Assistant in the Sozzani Lab at North Carolina State University (Summer 2020)
- Used machine learning to identify transcription activation domains in proteins

Educational YouTube Channel: "Hello World HD" (2016–Present)
- Over 6,000 subscribers and 500,000 total views
- Video explaining CRISPR scored in top 0.5% of submissions in Breakthrough Junior Challenge, an international video-making competition, making it past the peer-review phase (summer 2019)
- Made videos on topics including artificial neural networks, my inventions, DNA-based data storage, and 3D bioprinting
- Projects for videos include repurposing a 3D printer with Python, coding a handwritten digit calculator using neural networks, and creating a 3D printed weed killer for gardeners
- Made additional videos as a TA for the NC School of Science and Mathematics covering the AI4K12 curriculum

Skills

- Languages & Frameworks: Python, C++, Java, JavaScript, Hack/PHP, React, SQL
- Machine Learning: PyTorch, Keras, NumPy, Pandas, scikit-learn
- Cloud & Developer Tools: Git, Linux/Unix, Google Cloud Platform (Compute Engine), Docker, Jest
- Additional Technical Skills: 3D modeling/printing (Blender), bioinformatics, molecular biology, video editing (Adobe suite), Microsoft Excel (Excel Expert Certified)
- Other: Russian language (fluent), third-degree black belt in karate