

NAISHA AGARWAL

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EDUCATION

University of California, Los Angeles

Sept 2022 - June 2026

Bachelor of Science, Computer Science, GPA: 3.84

- **Relevant Courses:** Data Structures & Algorithm, Computer Organization, Discrete Math, Linear Algebra, Probability
- **Activities:** Association of Computing Machinery, Bruin Club Tennis, SLAM

Saratoga High School

Aug 2018 - June 2022

- **GPA:** 4.0 unweighted, 4.57 weighted
- **ACT** score of 36: Math: 36/36, Science: 36/36, English: 35/36, Writing: 35/36
- **Awards:** Very High Honors, Saratoga Community Service Award, National Merit Finalist, AP Scholar of Distinction

PROJECTS & ACADEMIC RESEARCH

Hacker, Tree Hacks

February 2023

- Accepted to Stanford University's Tree Hacks, a 36-hour hackathon, with a 5% acceptance rate
- Ideated [ChatTeach](#), a virtual learning platform that adapts different characters from movies/TV shows to teach kids educational content, making their learning experience more engaging and effective
- Used Python, Javascript, PyTorch, Speech to Text API, Text to Speech API, and Chat GPT to build our product

Researcher, ScAi Lab

January 2023 - Present

- Conducting research on fairness in graph neural networks under Professor Yizhou Sun and Ph.D candidate Arjun Subramonian
- Using statistical models and Pytorch to design and run experiments

Researcher, Pioneer Academics

June 2021 - Present

- Wrote research paper [Recommendation Algorithms to Encourage Equal Access to Influencers in a Network](#) under the mentorship of MIT Professor Julian Shun
- Used Python and R to write an algorithm that worked on reducing bias in recommendation systems in social networks
- Paper selected for **KDD Undergraduate Consortium**, the premier international forum for data mining researchers and practitioners from academia, industry, and government to share ideas, research results and experiences.
- **Publications:** UCLA Undergraduate Research Journal, Pioneer Research Journal (10% acceptance rate)
- **Conferences:** Sigma Xi Research Conference, JSHS Northern California and Nevada Research Conference, Top 300 Regeneron Scholar

Research Intern, UCSC Science Internship Program

June 2021 - August 2021

- Ran statistical models on the indigenous language of Santiago Laxopa Zapotec, a language that is slowly dying out under UCSC Professor Grant McGuire
- Transcribed audio files from native speakers and ran computer models to figure out patterns between tone and phonation of phrases

LEADERSHIP EXPERIENCE

Outreach Officer, Association of Computing Machinery Artificial Intelligence

May 2023- Present

- Teach weekly, UCLA-certified "Introduction to Machine Learning" courses to local high schools in Los Angeles, covering topics ranging from linear regression to convolutional neural networks.
- Host a podcast, You Belong in AI, with esteemed guests working in the artificial intelligence space.

Director, Association of Computing Machinery Impact

Nov 2022 - Present

- Prepared multi-slide presentations, conducted research, and hosted workshops on the ethical concerns of social media, cryptocurrency, and artificial intelligence to spread tech ethics awareness to the UCLA student community
- Currently working with UCLA computer science departments to reform computer science ethics curriculum

Singing for Smiles, Founder and CEO ([singingforsmilesinitiative.com](#))

June 2020 - Present

- Established 501(c)(3) PVSA-certified nonprofit dedicated to spreading smiles through performing for senior homes and retirement communities across the world
- Coordinated and performed events and concerts with 50+ singers
- Hosted 70+ events to date and have multiple chapters across 3 countries
- Featured on various radio and TV platforms, collaborated with 4-time Emmy nominee Con Fullam

ADDITIONAL ACTIVITIES

- **Skills:** Machine Learning, Python, R, Java, PyTorch, C++, Javascript, HTML, React, Node.js, MongoDB
- **Interests:** Singing - performed at Carnegie Hall, Tennis, Piano, geography buff