

Paul Yoon

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EDUCATION

STANFORD UNIVERSITY

Bachelor of Science, Mathematics, Minor in Music

Expected Graduation: Jun 2027

GPA: 3.8/4.0

MENLO-ATHERTON HIGH SCHOOL

High School Diploma

Aug 2020 – Jun 2023

GPA: 4.4/4.0

PROFESSIONAL EXPERIENCE

SUNDIAL

Data Science Intern

Los Gatos, CA

Jul 2024 – Sep 2024

- Analyzed user fraud for Sundial clients through SQL queries and the Sundial product, optimizing detection thresholds based on key metrics and false positive rates
- Refined Sundial's existing machine learning model (Prophet), improving forecasting and data decomposition accuracy by automating optimization of tuning parameters.

WUNDERLING LEARNING CENTER

Mathematics, Reading, Writing Tutor

Jul 2024 – Sep 2024

Los Altos, CA

- Tutored students from K-12 and adjusted teaching methods to individual needs, driving rapid improvements
- Created Slingerland-based learning materials for practicing word sounds, incorporating stories and tailored exercises

TEAM LIMIT

Social Media Manager

Remote/Berkeley, CA

Aug 2021 – Jun 2024

- Analyzed data with Twitter analytics tools to accumulate 40,000+ followers and 30M+ impressions on Limit's Twitter account
- Curated engaging social media content to build the company's community, advertise sponsorships and grow the overall brand

STANFORD SCHOOL OF MEDICINE

Research Assistant

Stanford, CA

May 2020 – Jun 2023

- Collected data and analyzed visual indicators of pain in PET/MRI scans of patients with chronic knee pain
- Presenter at the annual meeting of the Society of Nuclear Medicine and Molecular Imaging in June 2021: "SiR PET/MRI of patients with chronic knee pain reveals potential pain generators not otherwise identified with standard care: Early experience"
- Co-authored manuscript: "Sigma-1 receptor changes in chronic knee pain: Preliminary results of ten patients using PET/MRI"

ACTIVITIES

STANFORD SYMPHONY ORCHESTRA

French Horn Player

Stanford, CA

Sep 2023 – Present

- Selected as the only freshman for the highest level orchestra
- Attend rehearsal 3 times a week for 1.5 hours and perform major classical works including Rachmaninoff, Strauss, Mahler, Brahms
- Participate in social events, fundraising, setup and cleanup

KOREAN STUDENT ASSOCIATION

Political Chair

Stanford, CA

Sep 2023 – Present

- Help organize and plan events related to Korean culture and other traditions
- Organize weekly presentations about Korean politics and guide discussions
- Attend weekly meetings, events, and other gatherings

RELEVANT COURSEWORK

Math 51 – Linear Algebra and Differential Calculus of Several Variables

Sep 2023 – Dec 2023

Math 52 – Integral Calculus of Several Variables

Jan 2024 – Mar 2024

Math 53 – Differential Equations with Linear Algebra, Fourier Methods, and Modern Applications

Apr 2024 – Jun 2024

CS 106B – Programming Abstractions

Jan 2024 – Mar 2024

CS 107 – Computer Organization and Systems

Apr 2024 – Jun 2024

ADDITIONAL

Technical Skills: LaTeX (Proficient), Python, C++, C (Intermediate), Social Media Marketing (Twitter/X, Instagram)

Languages: English (Native Speaker), Spanish (Conversational), Korean (Conversational)

Awards: Winner of California Youth Symphony Senior Concerto Competition, Seal of Biliteracy (Spanish), AP Scholar with Distinction, National Merit Commended Student

Projects: Explicit/Implicit Heap Allocator, Stanford Christian Students App Development, Personal website, Neovim Configuration

Other Involvement: Stanford Christian Students, Stanford Philharmonia