

Sean Minh Nguyen

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EDUCATION

California Polytechnic State University, San Luis Obispo, CA

(September 2022 – present)

- Computer Science major with a concentration in Artificial Intelligence and Machine Learning

WORK EXPERIENCE

Tutor

(June 2020 – present)

Wyzant

- Optimizing strategies for music theory, economics, statistics, chemistry, mathematics, and IB course concepts
- Formulating weekly lesson plans, practice assignments, and exercises catered to each student's specific needs
- Engaging with 30+ students online and in person to inspire educational passion and subject comprehension

Doctor's Assistant

(May 2020 – September 2022)

MTANG Eye Care

- Implemented strategies for cataloging inventory, confirming insurance eligibility and appointment confirmation, billing, verifying insurance disbursements, and organizing expenses, increasing secretarial productivity by 150%
- Interacted with patients before exams and performed retinal imaging, autorefraction, and tonometry examinations
- Communicated between the doctor, optical staff, patients, and insurance companies to ensure efficient workflow

Engineer Intern

(June 2021 – August 2021)

Boeing

- Presented a Systems Tool Kit 12 analysis comparing the efficacy of emergency relief programmes in Taiwan
- Utilized DonkeyCar software to research deep learning neural networks alongside an internal team of 7 interns
- Applied operational knowledge of aerospace mechanical systems to design a space debris removal proposal
- Spearheaded biweekly social functions to encourage collaboration, interaction, and inclusion within the workforce

EXTRACURRICULAR ACTIVITIES

Academic Decathlon

(February 2020 – present)

Contestant and Assistant Coach

- Participating in regional decathlon and state heptathlon competitions in the honors category against 80+ schools
- Balancing comprehension and time management across 10 disciplines for individual and team competition
- Coaching decathletes and devising lesson plans for Music, Economics, Mathematics, Speech, Interview, and Essay

Alpha USA

(March 2019 – June 2022)

Lead Coordinator and Founder

- Administrated with a leadership board of 10 people to effectively plan meetings whilst incorporating teamwork
- Adapted a global organization to be suitable for a high school club and optimal for virtual and in person settings
- Grew 200% in membership by the second year and 300% in membership and communal outreach by the third year
- Engaged in conversations with small groups of people regarding often-overlooked topics on ethics and theology

PROJECTS

International Baccalaureate, Higher-Level Computer Science

(September 2020 – June 2022)

- Pioneered a digital GUI cookbook catalog with 150+ recipes to meet the design specifications of the client, benefitting communication, efficiency, and organization in a private culinary sector within my hometown
- Composed a research paper on the implementation of machine learning techniques in DeepMind's AlphaStar program. This explored future applications of AI in complex predictions over long data sequences

SKILLS & PERSONAL INTERESTS

Technologies: Java, Python, Assembly, C, JavaScript, HTML, Unix, Linux, Android, Git, Data Structures, Object-Oriented Programming, STK 12

Abilities: Diversity Awareness, Problem Solving, Work Ethic and Responsibility, Time Management, Communication

Languages: English (Native), Spanish (Proficient)

Outdoors: SCUBA Diving (PADI Certified Advanced Open Water Diver), hiking, camping, bouldering

Music: Playing piano and guitar, writing compositions

Athletics: Water polo and swim

References upon request