



Albert Ye

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Education

University of California, Berkeley

Berkeley, CA

Mathematics and Computer Science B.A.

2022–2026

- Relevant Coursework: Honors Linear Algebra/Differential Equations, Structure and Interpretation of Computer Programs, Data Structures/Algorithms
- Activities: Berkeley Math Tournament Problem Writer, Mathematics Undergraduate Students Association

West Valley College

Saratoga, CA

Concurrent Enrollment 4.0 GPA

2021–2022

- Relevant Coursework: Intermediate Calculus, Linear Algebra

Experience

X-Camp Academy

San José, CA

Instructor

Jul 2022–Present

- Taught computer science topics such as line sweeping, graph traversals, and dynamic programming in preparation for the USACO Silver competition to a class of 15 students.
- Facilitated student discussions and fostered a collaborative and productive environment.

Teaching Assistant

Dec 2021–Present

- Ran office hours, answering student questions about algorithm design and debugging during spring and summer classes.
- Compiled student performance data to report to students and their families in order to hold them accountable.

AlphaStar Academy

Santa Clara, CA

Teaching Assistant

Jun 2020–May 2022

- Helped answer student questions related to math content and technical support
- Taught competitive math classes ranging from introductory (AMC 8) to advanced (AIME) in the 2020 and 2021 summer math camps respectively

Youth Economics Initiative

Remote

VP of Resources


May 2021–May 2022

- Coordinated development for 12 chapters of AP and IB Economics curriculum for 60 clubs worldwide across 5 continents.
- Managed a team of 8 people hailing from 3 countries.
- Managed the creation of contest problems for the Youth Economics Initiative's EconBowl which attracted over 100 teams and over 330 competitors from across the globe.
- Coordinated creation of a training website for AP Microeconomics and AP Macroeconomics.

Skills

 **Expert:** C++, Data Structures / Algorithms, Bash, Mathematics, Economics

 **Proficient:** Java, Python, Android Studio

 **Novice** MATLAB, Lisp (Scheme), Frontend Development

Awards

USA Computing Olympiad; Platinum Division

Apr 2021

Top 3% of the roughly 10,000 USACO contestants.

AIME Qualifier, 5x

2018–2022

The second level of US competitive math, with around 3,000 of the top high school students.

AMC 10, Distinguished Honor Roll

2020

Top 1% of AMC 10 competitors.