




# Albert Ye

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## Education

### University of California, Berkeley

Berkeley, CA

Mathematics and Computer Science B.A.

2022-2025

- Relevant Coursework: Discrete Math and Probability Theory, Structure and Interpretation of Computer Programs, Data Structures/Algorithms
- Activities: Berkeley Math Tournament Problem Writer, Open Computing Facility, ICPC

### 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), SQL, Frontend Development with React.js

## 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

Jan 2020

Top 1% of AMC 10 competitors.