

Alan S. Zhang

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Education

University of California, Berkeley / B.A.

AUGUST 2015 - MAY 2019 (*expected*), Berkeley, CA
Majors in Computer Science and Applied Mathematics
Cumulative GPA: 3.2, Technical GPA: 3.3

Relevant Coursework (*currently completing*):

Computer Algorithms; Advanced Linear Algebra; Designing Devices and Systems; Intro to Computer Programs; Data Structures; Discrete Mathematics and Probability Theory; Single and Multivariable Calculus; Basic Linear Algebra and Differential Equations

Experience

Pioneers in Engineering / Director of Programs

AUGUST 2016 - PRESENT, Berkeley, CA; 8+ hours of weekly meetings and volunteer
Former Project Manager, Game Designer, and Head Referee

Designed, prototyped, and built a game and a modular game field for a robotics competition hosted on UC Berkeley campus for low income and underrepresented high schools in STEM

Coordinated events with PiE staff and high schools; including the first ever Mechanical Design Challenge and second annual Fall Competition

Provided mentorship for over 350 high schoolers in robotics and engineering

Lead a small team in coordination with a larger 60 person organization

Mango Materials / Laboratory Intern

JUNE 2013 - AUGUST 2016 (*high school and college*), Albany, CA; 4-40 hours a week

Performed research experiments to optimize the growth of methanotrophs in lab scale fermentation reactors

Presented and analyzed data from original research as well as from industry databases through a full utilization of Excel spreadsheets

UC Berkeley EECS Department / CS61A Lab Assistant

AUGUST 2016 - PRESENT, Berkeley, CA; 3 hours a week

Helped teach course material during lab and office hours.

Projects

Laminar / laminar.tk

Cal Hacks 3.0, Berkeley, CA

Created a web service to connect and inspire writers across the word by sharing snippets of original stories submitted by users

Utilized HTML, CSS, Django

Skills

Programming Languages: Python, Java

Markup Languages: HTML/CSS

Mechanical Experience: Proficiency in the use of machining tools, SOLIDWORKS

Extracurriculars: Cal Ultimate, Running, Cooking