

HANNAH CHOU

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EDUCATION

University of California, Berkeley, College of Letters and Sciences

May 2023

Cognitive Science & Statistics, B.A.

GPA: 3.923/4.0

Coursework: Introduction to Cognitive Science, Foundations of Data Science, Structure and Interpretation of Computer Programs, Discrete Mathematics, Linear Algebra and Differential Equations, Multivariable Calculus, Concepts of Probability, Data Structures (Spring 2021), Concepts of Statistics (Spring 2021), Web Design DeCal (Spring 2021)

EXPERIENCE

Computational Approaches to Human Learning Lab

Berkeley, CA

Research Assistant

November 2020 – Present

- Developed K-12 mathematical content for an open-source, adaptive learning software aimed to help students reinforce their understanding of the material.
- Constructed statistical reports on student performance using JavaScript and HTML
- Gained insight into how AI, data analytics, and machine learning can help advance current education methods.

Student Learning Center (SLC)

Berkeley, CA

Tutor

July 2020 – December 2020

- Tutored Berkeley students in Precalculus and single-variable Calculus in the SLC's Drop-in Tutoring space
- Built rapport with students to ensure that they are comfortable with asking questions and guided them to develop a foundational understanding of mathematical concepts
- Learned to effectively translate complex mathematical concepts into more understandable steps and helped students build confidence in their mathematical abilities

Zeiss Meditec, Inc

Dublin, CA

Extern

January 2020

- Assisted with managing workflow by attending company briefings and contributing to ongoing projects
 - Networked with professionals working in the optical medical technology industry and gained more insight into biotechnology
 - Observed the day-to-day tasks of the product manager, mechanical engineers, and UX Designers and learned about the process of transforming an idea into a product
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EXTRACURRICULAR ACTIVITIES

Berkeley Engineers and Mentors

Berkeley, CA

Mentor

February 2021 – Present

- Hosted virtual weekly lessons on STEM subjects, such as cryptography and astronomy, for low-income elementary school students
- Designed a lesson and interactive activity on a particular STEM topic, enhancing my organization and communication skills
- Inspired students from underrepresented communities to pursue careers in STEM and worked to increase diversity within STEM-related fields

Ascend Berkeley Chapter

Berkeley, CA

Community Service Committee Chair

August 2020 – December 2020

- Organized and led meetings with 8 committee members to discuss the week's deliverables on the committee's three semester projects.
 - Planned an introductory workshop in Excel with SCORE Association, a nonprofit organization, to provide small business owners in the Bay Area with basic Excel skills
 - Gained insight into tasks of project manager, became a mentor to committee members, and explored how corporate social responsibility impacts business
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ADDITIONAL

- Skills: Adobe Suite (Photoshop, Illustrator, InDesign), Figma, Python, Java, HTML, CSS, R
- Languages: English, Mandarin
- Interests: Fitness, Reading. Currently learning how to play the ukulele.