

## SUMMARY

Data-driven and empathetic student with a foundation in user experience research, data analysis, programming, and web design. Experienced in creating and automating workflows to streamline operations and inform efficient decision-making. Skilled in synthesizing and presenting research findings leading to actionable insights, with a strong focus on accessibility in digital interfaces. Demonstrated strong communication skills and a commitment to continuous learning through academic research, self-directed projects, and hands-on experience in tutoring, curriculum development, and operation optimization.

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## EDUCATION

University of California, San Diego

BS, Cognitive Science Machine Learning and Neural Computation

Computer Science Minor

September 2022 - June 2026

- 3.81 GPA
  - 5x Provost Honors
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## WORK/TUTORING EXPERIENCE

Academic Achievement Hub, La Jolla, California

12/2023-Present

Operations Assistant

- Developed automated processes for managing tutor data, schedules, and calendars, reducing hours of manual data entry.
- Built data pipelines and dashboards to inform decision-making, targeted outreach, and funding strategies.
- Created scripts to streamline information retrieval, facilitating faster decision-making for users.

Computer Science Department @ UCSD, La Jolla, California

05/2023-03/2024

Tutor

- Conducted office hours, providing students with constructive code review.
- Evaluated and improved course materials based student-centered feedback.

Computer Engineers of the Next Generation (CENG), Los Altos, California

08/2020-06/2022

Tutor (2020), VP of Operations and Head Teacher (2021), President (2022)

- Completed over 200 hours of tutoring for Scratch, JavaScript, Python, and Java, focusing on increasing accessibility in CS.
- Created and taught the first Java curriculum, centered around student experience and needs.
- Observed fellow tutors and led meetings to teach effective tutoring techniques.
- Led team meetings and presentations, including two years of Hours of Code, encouraging broader participation in coding activities among diverse student populations.
- **Awards:**
  - Presidential Service Volunteer Award (Silver)
  - Teacher of the Year

## RESEARCH/PROJECT EXPERIENCE

Computer Science Department @ UCSD (Niema Moshiri), La Jolla, California

03/2024-06/2024

Research Assistant

- Conducted research in computational biology, learning about probabilistic models, network structures, and parameterization through literature review and research.
- Authored a pre-print on enhancing accessibility in epidemic simulation analysis, focused on improving user-friendliness in creating and analyzing complex epidemic simulations [[Read here](#)].

Personal Projects:

- **Web Design:** Self-taught in HTML, CSS, and Javascript. Designed and coded a personal website from scratch, hosted on Github pages.
- **Created a Scheduling and Information Retrieval Program:** Designed a program to streamline scheduling and data access for a tutoring center, improving efficiency for staff and students. Currently building a MongoDB-backed application with an HTML, CSS, and JavaScript front end, gaining hands-on experience in full-stack development and user experience.

Campus Involvement:

- **Representative, Revelle College Executive Committee:** Invited as a student representative to contribute to college governance and decision-making.

## SKILLS

**Research & Data management:** | User-Centered Design | Qualitative and Quantitative Methods | Literature Review | Data Management | Data Cleaning & Processing | Data Visualization | Research Communication | Iterative Testing |

**Technical:** | Excel | Google Sheets and Scripting | Java | Python (pandas, matplotlib, seaborn, scikit learn, numpy) | Javascript | HTML | CSS | Git | Github | Github Pages | IDEs | Debugging | Data Structures | Scripting | MongoDB

**Communication & Leadership:** | Curriculum Design | Code Review | Empathy-Driven Instruction | Project Management | 1:1 and Group Tutoring |