

# Hailey Tran

818-747-9866 | [h8tran@ucsd.edu](mailto:h8tran@ucsd.edu) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### University of California San Diego

La Jolla, CA

*Bachelor of Science in Mathematics Computer Science, Minor in Sociology*

*Oct. 2020 – June 2022*

- **CASP** - Chancellor's Associates Scholar Program
- **Relevant Coursework:** Advanced Data Structures, Design & Analysis of Algorithms, Theory of Computability, Computer Organization & Systems Programming, Software Tools & Techniques Laboratory, Discrete Mathematics & Graph Theory

### Los Angeles Mission College

Sylmar, CA

*Associate of Transfer in Mathematics*

*Aug. 2017 – June 2020*

## EXPERIENCE

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### Mathematics Tutor

June 2019 – June 2022

*Los Angeles Mission College*

*Sylmar, CA*

- Coordinated with professors to construct workshops and assisted professors to further demonstrate mathematical theories
- Directed students to develop a stronger understanding behind several mathematical courses and concepts
- Guided students with their assignments and prepared students for exams & quizzes

## PROJECTS

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### Harry Potter Analysis | *Python, Jupyter Notebook*

- Analyzed similarities & differences between the fantasy novels and films
- Dissected main characters in the fantasy novel/film series to see which magical spells were most associated with each main character
- Utilized different libraries such as pandas, PyPDF2, and plotly to evaluate different forms of data sets and graph the outcomes

### Bookpedia | *React, JavaScript, HTML/CSS*

- Developed an application that allows the user to search any book accompanied with a description of each book
- Worked with the Open Library Search API to gather information about the books that would be displayed after searching

### Personal Website | *HTML/CSS*

- Built a personal website that showcases my relevant coursework & personal interests of mine

## EXTRACURRICULARS

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### Girls Who Code | *Secretary*

October 2021 – June 2022

- Attended & prepared all board meetings and general body meetings by preparing notes and Microsoft PowerPoint slides
- Developed a fluid & cohesive system to organize notes from board meetings
- Kept track of new incoming club members by using Google Forms & Google Sheets

### Association of Women in Mathematics | *Mentorship Committee*

October 2021 – June 2022

- Contributed towards the expansion of the Mentorship Committee by recruiting new mentors & mentees
- Attended weekly meetings to create new Mentorship events & to help match mentors with mentees
- Maintained each mentor-mentee relationship by fulfilling each pairings' needs & goals

### Send For C | *Logistics Chair*

October 2021 – June 2022

- Communicated with several different departments at the University of California San Diego to expand club
- Worked closely with the Club President to oversee all aspects of the club
- Frequently arranged club's online organization of weekly notes, new events, and new members

### Women In Computing | *Active Member*

October 2021 – June 2022

- Participated in several different programs, such as the Spring Dev Program to create a website application with a team
- Engaged in many career-oriented & social events to improve soft skills and tech skills
- Attended all general body meetings to stay up to date with club activities

## TECHNICAL SKILLS

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**Languages & Frameworks:** Python, Java, C, C++, Javascript, React, R, HTML/CSS

**Libraries:** pandas, Matplotlib, plotly, PyPDF2

**Developer Tools:** Git, VS Code, Eclipse