

Education

University of California, San Diego

- Expecting to graduate in June 2025
- Majoring in Mathematics and minoring in Political Science
- 3.89 GPA as of January 2023

Omaha North High School

- Graduated May 2021
 - Class rank 5 of 457
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Technical Skills

- Proficiency in Python and JavaScript
 - Fundamental knowledge of C, C++, Java, Julia, and PHP
 - Proficiency with GitHub and knowledge of Firebase
 - Experience with frontend design with Material UI and Tailwind CSS
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Experience

UCSD Engineers for Exploration, 2022-present: Lead Developer

- Leading development and maintenance of Pyrenote, an online audio labeling system used by researchers to categorize audio for use as training data for machine learning models
- Primarily React.js and Python
- Collaborating with undergraduate and graduate students

TeachAids, 2020-2022

- Collaborated with college students and professionals from TeachAids.org, an organization dedicated to modernizing health education
- Created React.js user interfaces and automated various processes using GitHub Actions for two projects of TeachAids - CoviDB and CrashCourse

Hy-Vee, 2021: Checker & Courtesy

- Provided excellent customer service
- Fulfilled flexible time requirements
- Maintained sales displays and shelves
- Efficiently operated point-of-sale systems
- Performed and documented cash drops

Temple Israel Omaha, 2017-2021: Teacher Assistance

- Worked with other teachers in the art classroom helping Kindergarten-6th graders with a variety of art projects

University of Nebraska Omaha, 2018-2020: Summer Intern

- Collaborated with 3 other interns and a graduate student under the guidance of Dr. Matthew Hale in the cybersecurity lab to create a competition for a cybersecurity camp and process data for a graduate student's thesis
- Worked with Dr. Rui Zhao and a graduate student to explore the capabilities of browser fingerprinting
- Worked one-on-one with Dr. Rui Zhao to develop a program to prevent web scraping by automatically obfuscating HTML, CSS, and JavaScript.