

## Education

**UC San Diego, Halicioğlu Data Science Institute**, San Diego, California

PhD Student

**The Ohio State University**, Columbus, OH

Bachelor of Science in Mathematics, Honors Specialization, *magna cum laude*

May 2022

Bachelor of Arts in Computer and Information Science, *magna cum laude*

May 2022

## Projects and Research

SU 2021 **Emerging Issues in Cybersecurity REU**, *New Mexico Institute of Mining and Technology*, Socorro, NM (online)

- Under Dr. Subhasish Mazumdar, developed a python package to generate synthetic tabular data with geometrically defined classes to investigate the behavior of machine learning explanation framework LIME
- Presented at International Conference on Information Society (i-Society) and published in proceedings, with extended paper in *International Journal For Infonomics* Vol. 14 Issue 1.

SP 2021 **CSE 3902: Interactive Systems**

- Developed a clone of *The Legend of Zelda* using MonoGame 3.8 with a team of six in biweekly sprints using an agile development strategy

AU 2020 **Hack OH/IO**

- Using Google AppsScript and Prismjs, created an automatic syntax highlighter in Google Docs as part of a 48-hour hackathon project with a team of four

## Employment

[OSU Department of Mathematics.](#)

AU2021 **Undergraduate Grader, Math 5590H/5111: Honors Abstract Algebra I, Math 5591H/5112: Honors Abstract Algebra II**

- Graded weekly homework assignments for a combined honors undergraduate and master's level sequence in abstract algebra covering groups, rings, polynomials, modules, and Galois theory

[OSU Department of Computer Science and Engineering.](#)

AU2020-SP2021 **Undergraduate Grader, CSE 3521: Survey of Artificial Intelligence I**

- Evaluated and gave feedback for assignments in introductory artificial intelligence including problem solving, knowledge representation, and machine learning
- Held regular office hours

AU2019 **Undergraduate Grader, CSE 2221: Software Components**, *The Ohio State University Department of Computer Science and Engineering*

- Graded assignments in an introductory software engineering course covering design-by-contract principles and component-based software
- Aided lab instruction and held regular office hours

[OSU Media, Marketing, and Communications Scholars.](#)

SP2020 **MMC Digital Sandbox Project Group Instructor**

- Developed and taught a 7-week project-based course in  $\LaTeX$
- Also served as a Professional Development Co-Curricular for OSU's STEP Program

## Skills

- Python, C, C++, C#, Java, Javascript/HTML/CSS, LaTeX, Git

## Languages

Mandarin    Conversational  
Spanish    Basic

Japanese    Basic