

Zijie Xu

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EDUCATION

University of Michigan

Bachelor of Science in Data Science

GPA: 3.68/4.0

Relevant coursework: Discrete Math, Data Structures and Algorithms, Introduction to Probability and Statistics, Practical Data Science

Ann Arbor, MI

Expected May 2028

Michigan State University

Dual Enrollment

GPA: 3.75/4.0

Coursework: Multivariable Calculus, Linear Algebra I

East Lansing, MI

Aug 2023 - Apr 2024

Okemos High School

High School Diploma

GPA: 3.9/4.0

Okemos, MI

Aug 2020 - Jun 2024

EXPERIENCE

Michigan State University

Data collector and analyst

- Wrote a research paper on the use and effectiveness of honey alternatives for overwintering bees and entered Regeneron Science Talent Search under Prof. Zachary Huang.

East Lansing, MI

Nov 2022 – Oct 2023

Columbia University

Summer High School Academic Program for Engineers (SHAPE)

- Worked on a collaborative project to design, build, and test a fully autonomous robot from scratch that navigates a maze to put out a randomly placed candle under Prof. Sinisa Vukelic.

New York, NY

Jul 2022

Brookhaven National Laboratory

Brookhaven National Laboratory High School Research Program (HSRP)

- Worked under Dr. Enyuan Hu to write a research poster about characterizing battery cathode materials by using X-ray absorption spectroscopy.

Virtual

Aug 2023

FIRST Robotics Team 1504

Programming Lead

- Programmed and tested robot drivetrain, autonomous, ground intake, and climber subsystems in Java using WPILib.

Aug 2021 - Jun 2024

PROJECTS

Isle Royale Wolf & Moose Population Analysis

Data Science Project | University of Michigan

- Used Python, pandas, NumPy, Matplotlib, seaborn and sklearn to analyze and visualize data of the wolf-moose population on Isle Royale.
- Performed regression modeling, confidence interval tests, hypothesis tests, and exploratory data analysis to predict certain parameter trends with 65-67% accuracy.

Ann Arbor, MI

Dec 2024

WORK EXPERIENCE

Sansu Sushi and Cocktails

Host – Part-time

- Bussed tables, wiped windows, cleaned bathrooms, managed reservations and waitlist.
- Greeted and seated customers, answered phone calls, and completed all to-go/online orders.

East Lansing, MI

Apr 2024 – now

ADDITIONAL

Technical Skills: Proficient in C++, Java, Python, Webscaping, Regex

Languages: Fluent in English; Conversational Proficiency in Mandarin and French

Interests: Tennis, Badminton, Cello, Photography, Mechanical Keyboards, Valorant