

Mina Zheng

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EDUCATION

University of Michigan, LSA- Ann Arbor, MI

Expected Class of 2027

Data Science BS + Statistics BS, 3.7 GPA

- Data Structures and Algorithms, Intro to Deep Learning, Statistics and Data Analysis

SKILLS

- **Languages/Frameworks/Tools:** Python (Pandas, Numpy, Scikit-Learn, Pytorch, Django, Flask), C++, Javascript (React), HTML/CSS, SQL, Git
- **Miscellaneous:** AutoCAD certified, conversational fluency in Mandarin, eight years of formal art instruction @ *Seeking Creativity Art Studio*

EXPERIENCE

Full Stack Developer/ Web Designer (Contract)

July 2025 - August 2025

Palmori Jewelry

- Designed and developed a Flask product site that increased user traffic by 185% within a month
- Integrated a protected admin page for easy client-side management
- Leveraged a PostgreSQL database and the Cloudinary API to eliminate reliance on local storage

Computer Science Instructor

May 2025 - Present

Books Beyond

- Develop individual curriculums to introduce high school students to the field of computer science
- Provide one on one tutoring and guidance to help students go from zero experience to creating their own Python programs

US Election Poll Data Research Assistant

September 2024 - April 2025

University of Michigan - Institute for Social Research

- Cleaned and analyzed thousands of data points, tracking relevance and availability through a codebook, and compared results to OpenAI to assess accuracy of the bot
- Led team members to tackle essential problems, particularly disparities in election outcomes between different stratifications, and attempted to give reasoning to unexpected outcomes
- Compiled results from the other sub-teams for a final presentation at the UROP Research Symposium

PROJECTS

Aeropilot

- Develop Aeropilot, a comprehensive Python library to simplify flight systems and mission control through ArduPilot and PyMavLink
- Contributed mainly to processing telemetry, and optimizing flight path through dynamic waypoints and interpolation
- Utilize the library to design, build, and test a custom aircraft capable of successful payload delivery in the advanced class of the SAE Aero Design Competition

Web PDF Note Taker

- Built an intuitive interface for PDF annotation and highlighting, featuring a dynamic frontend with JS, and a backend with Django and the Fitz library
- Leveraged PostgreSQL to manage files and user generated data