

# Evan Gebo

evangebo@umich.edu  
(989) 600-8261

linkedin.com/in/evangebo  
github.com/evangebo

## EDUCATION

### University of Michigan

Ann Arbor, MI

*Bachelor of Science in Computer Science with Minors in Math and Statistics*

2025

- **GPA:** 3.975 / 4.00
- **Completed Coursework:** Data Structures & Algorithms, Programming Languages, Machine Learning, Discrete Math, Linear Algebra, Abstract Algebra, Probability, Theory of Network Design
- **In-Progress Coursework:** Algorithms for Data Science, Continuous Optimization, Introduction to Accounting

## SKILLS

- **Languages:** Python, C++, C#, JavaScript/TypeScript
- **Frameworks & Tools:** Palantir Foundry, Jupyter Notebook, Microsoft Azure, ROS, ASP.NET Core
- **Soft Skills:** Presentation & Public Speaking, Technical Writing, Microsoft Office, Communication, Documentation
- **Interests:** Long Strategy Board Games, Reading Dune Books, Learning to Cook Pastas

## WORK

### University of Michigan

Ann Arbor, MI

*Instructional Assistant for EECS 445: Machine Learning*

August 2023–Present

- Teach 15 undergraduate students about essential machine learning concepts, e.g. support vector machines and neural networks, during a weekly discussion section.
- Develop theory-based homeworks and application-based projects to test students' conceptual understanding.
- Assist students one-on-one with homeworks, projects, and conceptual questions during weekly office hours.

### United Airlines

Chicago, IL

*Inventory Forecasting Intern*

May 2023–August 2023

- Designed a clustering algorithm to forecast aircraft spare part demand with 80% accuracy using little historical data.
- Created a similarity measure for airports based on flight schedules, allowing for better analysis in existing models.
- Processed larger-than-memory datasets using PySpark in Palantir Foundry to efficiently clean data and train auto-updating models.

### Dow

Midland, MI

*Information Research Intern*

May 2022–August 2022

- Optimized a CRUD app's database calls up to 50% by integrating AutoMapper with Entity Framework Core.
- Improved error handling with Aurelia computed properties, created better logging practices, and added more unit testing, allowing for faster development and faster page loading.
- Reduced payload size by up to 30% by implementing data transfer objects with AutoMapper and class-transformer, leading to reduced database calls and faster page loading.

## PROJECTS

### Multidisciplinary Design Project

*Python, Dask, XGBoost, NumPy, sklearn*

January 2023–Present

- Defined objective metrics to measure the success of academic research topics based on journal publications.
- Trained an XGBoost regressor to accurately predict success of academic research topics based on historic dissertations.
- Used natural language processing to automatically extract keywords from document abstracts.

### Computer Vision System

*Python, OpenCV, NumPy, Raspberry Pi*

May 2020–May 2021

- Developed a custom computer vision system using a Raspberry Pi to track and pathfind toward reflective markers.
- Implemented a web-based dashboard with real-time tuning and calibration, targeted at non-technical users.

## ACTIVITIES

### Robosub

Ann Arbor, MI

*Programming Team Member*

2022–2023

- Designed a custom state machine allowing for more efficient parameter tuning, easier debugging, and faster testing.
- Programmed an autonomous submarine using Python, ROS, and Linux.