

Uma Iyer

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Objective: I want to use my skills in data science, software programming and economic theory to drive meaningful quantitative solutions that positively impact the world around us.

EDUCATION / SKILLS

University of Michigan Ann Arbor 2026 | Majors: Data Science and Economics | GPA: 3.4

Courses: Data Structures & Algorithms, Machine Learning, Database Management Systems, Macro and Micro Economics, Intermediate Probability, Linear Algebra, Advanced Statistics*, Econometrics*

London School of Economics | Summer Program 2024 | GPA: 4.00

Courses: International Economics and Behavioral Economics

Programming Languages: C++, C, Python, SQL, Java

Frameworks and Tools: PyTorch, NumPy, Pandas, Linux, Git, Jupyter Notebook, Excel

PROJECTS

Economic Forecasting | Michigan Data Science Project Team

August 2024 - Present

- Test whether the Phillips Curve performs well on real world data using various time series forecasting models including ARIMA models.

Fakebook Database Management

August 2024 - Present

- Building a relational database for a social media platform, including ER diagrams to model data.
- Writing SQL scripts for data management using sequences and triggers to enforce constraints.
- Developing SQL views for data display, handling complex dependencies in Oracle SQL.

NHANES Data Analysis | Michigan Data Science Project Team

November 2023

- Applied ML techniques to CDC survey data, exploring Sleep Disorders-Vitamin C relationship.
- Engineered predictive model to assess individuals' likelihood of reporting sleeping troubles.

Classification of Text Using Multi-Variate Bernoulli Naive Bayes Classifier

April 2023

- Built a machine learning algorithm in C++ to automatically identify subjects of posts in Piazza.
- Achieved 87% accuracy by building classifier using Container ADTs and binary search trees.

Elevators Algorithm Optimization

December 2022

- Developed an optimization algorithm in C++ for elevator movement and servicing user requests.
- Won college wide JP Morgan Grand Prize for an efficient algorithm and dynamic presentation.

LEADERSHIP EXPERIENCE

Michigan Data Science Team | VP Finance, Social Media Manager

January 2024 - Present

- Act as an authorized signer, lead financial matters, and supervise budget for a 300+ member club.
- Member of executive staff involved in all strategic operations of the club.
- Doubled our social media following using campaigns to promote the club and attract sponsors.

PROFESSIONAL EXPERIENCE

YWCA Golden Gate Silicon Valley | Research Intern

June 2019 - August 2019 | San Jose, CA

- Conducted research on government representation on the base of gender and race.

Engineering Center for Academic Success | Tutor

August 2024 - Present | Ann Arbor, MI

- Provide academic support in programming and calculus, improving students' understanding.

Remington Park Dental | Dental Assistant / Secretary

June 2022 - August 2022 | Sunnyvale, CA

- Used Dentrix to manage appointment scheduling and keep track of patient health data.
- Worked with insurance companies to resolve claims and breakdown benefits