# Karsin Dass

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## EDUCATION

**UNIVERSITY OF MICHIGAN**                                                                                     **Ann Arbor, MI**

*Bachelor of Science in Data Science | GPA: 3.6/4.00*                                         *Expected Graduation: May 2025*

- Relevant Coursework: Data Structures and Algorithms, Data Mining and Machine Learning, Financial Accounting, Statistical Computing
- Grader for EECS 183 Elementary Programming (F23, W24, F24), Planet Blue Ambassador(As of WN2023), IM Flag Football

## EXPERIENCE & INVOLVEMENT

**PING**                                                                                                                  **PHOENIX, AZ**

*Data Engineering Intern*                                                                                     *May 2024 - August 2024*

- Automated groove conformance testing by developing a Power BI dashboard and web application in Python and Flask that scrape HTML files that were generated by testing machines. Presented these solutions to senior engineering management.
- Developed a Microsoft Power Apps application that integrated our launch success questions and project databases, automating the quarterly launch success metric form to efficiently collect responses from each engineering team.
- Built an interactive Power BI dashboard to project schedules for our engineered projects, seamlessly integrating the project database to ensure automatic updates and real-time data accuracy, enhancing project management processes.

**RXO**                                                                                                                  **Ann Arbor, MI**

*Brokerage Analytics Intern*                                                                                 *May 2023 - August 2023*

- Utilized SQL Database to extract route-specific delay data and created an enhanced ETA tool integrated with the weather API Tommorow.io that was implemented into a web page designed in Angular. Finalist at the 2023 RXO Hackathon.
- Optimized automated spotbot bidding bots by analyzing data from Power BI and presented my findings to Senior Analysts and Managers. My analysis had an estimated increase of $11,250 weekly gross margin and 16.34% increase in bid scan conversion.
- Restructured Internal Lane Agreements(ILAs) by comparing carrier pricing to market metrics. The new ILAs ultimately led to $746,000 projected savings for Q3 and Q4 of 2023 and were presented at the RXO Global Headquarters in Charlotte, NC.

**UNIVERSITY OF MICHIGAN ETHICAL INVESTMENTS**                                                 **Ann Arbor, MI**

*VP of Recruitment and Outreach*                                                                           *January 2023 - Present*

- Guided new analysts in pitching long positions for Procore Technologies and Digital Realty Trust, focusing on strategic analysis and valuation, enhancing our portfolio and analyst expertise.
- Presented and advocated for long and short positions to our elected portfolio committee, recommending investments in Salesforce, Vital Farms, and Tetra Tech, while proposing short sells of PayPal and JB Hunt.
- Spearheaded and meticulously coordinated a spectrum of recruiting initiatives, including mass meetings, coffee chats, and a pitch workshop, fostering a dynamic platform for engagement and attracting top talent to our organization.

**AMERICAN RED CROSS**                                                                                          **Washington D.C.**

*Fundraising and Marketing Intern*                                                                     *October 2022 - December 2022*

- Devised a photo organization tool through Microsoft OneDrive and Excel that allowed efficient access to photos from Hurricane Ian. The PowerPoint creation time improved by an average of 7 minutes for marketing team members.
- Managed comprehensive correspondence for Gail McGovern, CEO of the American Red Cross, addressing major donors, including Aldi and the J.W. Family Charitable Trust, ensuring effective communication and relationship-building.

## PROJECTS

**FAKE NEWS CLASSIFIER**
*OCTOBER 2024 - DECEMBER 2024*

- Developed a fake news classifier using machine learning techniques, employing feature engineering and model tuning to accurately distinguish between a wide range of legitimate and false news articles across diverse topics. Languages used: Python
- Github Repository: https://github.com/karsind/FakeNewsClassfier

**TETRIS**
*MARCH 2023 - APRIL 2023*

- Recreated the popular video game, Tetris, on an Arduino LED board. Languages used: C++, Arduino IDE
- Github Repository: https://github.com/karsind/tetris

## ADDITIONAL INFORMATION

- **Skills:** C++, Python, Data Analytics in R, Shiny Apps, Regression Models, MS Office, and Power BI
- **Awards:** 2023 University of Michigan EECS Elementary Programming Showcase Winner presented by Charles Schwab