

# Trevor Hogland

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## EDUCATION

### University of Michigan

Ann Arbor, MI

Bachelor of Science in Information, Information Analysis (IA) Major

Expected Graduation: May 2026

- 3.85/4.0 GPA
  - Relevant Coursework: Data Manipulation, Calculus, Data-Oriented Programming, Math for IA, Statistics and Artificial Intelligence (AI), AI for Problem Solving, SQL & Databases
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## PROJECTS AND STUDENT ORGANIZATIONS

### Wolverine Sports Analytics • Ann Arbor MI

January 2024 - Present

- Designed a Python model to suggest free agency moves for each NHL team based on needs and cap space
- Utilized machine learning to create a new metric quantifying individual defense in the NHL for 700+ players
- Developed a model using TensorFlow and Scikit-learn to project player salaries for NHL free agents and create a "Free Agency Report Card" for each upcoming free agent

### Labor Union Analysis • University of Michigan, Ann Arbor MI

November 2024 - December 2024

- Analyzed data to compare job satisfaction between non-union and union employees over 40 years and across 500+ occupations
- Crafted a detailed report with targeted visualizations to present my findings to university professors and interested researchers

### NHL Free Agency Player Database • University of Michigan, Ann Arbor MI

November 2024 - December 2024

- Designed and built a relational SQL database with 7 tables containing data on over 700 NHL players
- Ensured proper normalization of the players, player statistics, and free agency information within the database
- Created and executed complex SQL queries to derive actionable insights
- Presented the results showing how NHL teams could improve performance with an emphasis on enhancing position groups and penalty kills through free-agent acquisitions

### University of Michigan Sport Business Association • Ann Arbor MI

August 2024 - Present

- Expanded understanding of essential business functions including marketing, finance, partnerships, and data analytics through case studies and discussions with senior executives from sports organizations such as the Detroit Tigers, Chelsea FC, Detroit Pistons, and DraftKings

## WORK EXPERIENCE

### Server, Busser, and Certified Busser Trainer • Olive Garden, Brighton MI

June 2021 - Present

- Collaborated with a team of 40+ servers, bussers, and kitchen staff to ensure efficient and friendly service in a high-volume, fast-paced restaurant
  - Recognized consistently for outstanding customer service with an average tip rate of 22%
  - Trained new bussers on their job duties and mentored them through their first shifts ensuring that workplace procedures were understood and followed
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## ACCOMPLISHMENTS

- Boy Scouts of America Eagle Scout - Managed a crew of 20+ contributing 260+ hours of community service
- Boy Scouts of America Senior Patrol Leader - Highest ranking youth leader in a 50+ person troop
- Charyl Stockwell Preparatory Academy Valedictorian and Summa Cum Laude
- MHSAA Baseball Academic All-State '22, '23
- USA Hockey 18U AA player and 12U AA Assistant Coach

## TECHNICAL SKILLS

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

**Data Science Programs:** Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, TensorFlow, PyTorch, Tableau

**Programming Platforms:** Visual Studio Code, Visual Studio, Jupyter

**Skills:** Data Analysis, Data Visualization, Web Scraping, Sports Analytics, Database Management