

# TIERNAN JESRANI

3108 Alexandrias Dr., Sandusky, Ohio 44870

☎ 419-357-5215 ✉ [tiernanjesrani@gmail.com](mailto:tiernanjesrani@gmail.com) 🔗 [linkedin.com/in/tiernan-jesrani-7b4912258/](https://www.linkedin.com/in/tiernan-jesrani-7b4912258/) 🌐 [TiernanJesrani](https://www.tiernanjesrani.com)

## Education

### University of Michigan

Aug. 2022 – May. 2026

*Bachelor of Arts in Computer Science with honors*

GPA: 3.59/4.00

- **Relevant Coursework:** Engineering Calculus, Data Structures and Algorithms, Discrete Mathematics, Introductory Data Science, Linear Algebra

## Projects

### NBA Playoff Forecaster | *Python, HTML, Flask, Bootstrap, Firebase*

- Deployed a dashboard for displaying forecasted odds for NBA teams' playoff runs
- Used game results obtained from the NBA API combined with the ELO rating system to estimate team strength in home and away games
- Performed Monte Carlo estimation by using teams' strength ratings to simulate the playoffs and forecast overall odds for the dashboard

### Risk Game | *Python, HTML, Flask, JavaScript, Socket.io, CSS*

- Developed a single-device version of the board game Risk
- Utilized Flask, JavaScript, and Socket.io to allow users to interact with the game in real time through a webserver
- Built a fully interactive frontend interface with jQuery and styled CSS components

### ImgHost | *Node.js, SQLite, JavaScript, Express, HTML*

- Developed a lightweight JavaScript webserver for serving and uploading user images via Express
- Built out an SQLite database for storing user-uploaded images along with randomized image keys
- Served images at uniquely generated persistent links according to their associated keys

### Lift Benchmark | *Swift, XCode*

- Designed an iOS app for weightlifting benchmarks
- Stored previous lift data in order to inform future uses of app
- Generated comparative data showing how a user's lift compares to members of their demographic

## Experience

### General Nutrition Center

June 2022 – August 2023

*Sales Associate - Seasonal*

*Sandusky, Ohio*

- Worked in a team environment with shared responsibilities and sales goals
- Learned about and sold nutrition supplements
- Stressed communication and affability

### Cedar Point

June 2021 – August 2021

*Ride Operator - Seasonal*

*Sandusky, Ohio*

- Operated in a fast learning environment with an emphasis on responsibility and adaptability
- Teamwork was heightened through tasks that required mutual trust and reliance

## Technical Skills

**Languages:** Python, Swift, C++, JavaScript, SQL, HTML

**Technologies/Frameworks:** Socket.io, CSS, Flask, Node.js, Express, SQLite, Git, XCode, VSCode

## Leadership / Extracurricular

### Michigan Hackers

Winter 2023 – Present

*Member*

*University of Michigan*

- Machine Learning team member
- Interview team member

### Michigan Wealth and Asset Management

Fall 2023 - Present

*Member*

*Ross School of Business*

- Network regularly with guest speakers and alumni engrossed in wealth and asset management
- Collaborate with club analysts to manage an asset portfolio
- Formulate comprehensive investment plans and pitch them to the executive board

### ACT Prep Club President

Fall 2021 – Spring 2022

*President*

*Sandusky High School*

- Founded and ran a club with the purpose of raising students ACT scores
- Had a direct and positive impact on students improvement