**Adrian Manchado**

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**SUMMARY**

## B.S. Computer Science and Mathematics Minor student at MSOE with exceptional record of academic achievement and team leadership experience. Numerous hands-on, team-based project experience. Devoting 20 hours per week as NCAA athlete, along with 5 hours per week with MSOE AI Club project work. Have developed customer service skills in summer sales position. Fluent in Spanish and skills in: Java, Python, Object-Oriented Programming, Artificial Intelligence, Data Mining, Github, and HTML.

**EDUCATION**

**B.S. Computer Science** | Math Minor | Milwaukee School of Engineering | GPA: 4.0 | Exp. May 2026

**SKILLS**

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| --- | --- | --- |
| * Java * Object-Oriented Programming * Artificial Intelligence | * Python * Github * Data Mining | * HTML * MS Office, Excel * Spanish Fluency |

**COMPUTER SCIENCE PROFFESSIONAL PROJECT/WORK EXPERIENCE**

**Automobile Crash Detector | MSOE AI Club (Team of 5) :** Use Deep Learning to predict car accidents and warn the driver of potential crash.

* Employed segmentation to find the positions of the vehicles and detect when there could be an accident.
* Found precise datasets of dashcams with positive and negatives cases.
* Trained the model to make sure the segmentation occurs at every frame in the video.

**Next-Step Clinic AI Workflow | MSOE *Hacksgiving* Competition (Team of 6) :** Use Machine Learning to optimize the flow of work of the user through the website of Next-Step Clinic.

* Developed an embedding system that finds resources similar to our patient’s profile.
* Created a database with the resources and the information of the patients.
* Applied Open AI to summarize and make the data accessible.
* Utilized HTML to create a user-friendly interface for autism patients and families.

**Result:** A website that takes input from the user and provides the most convenient resource, improving customer satisfaction, and optimizing the flow of the Next-Step Clinic.

**Soccer Outcomes Predictor** | **Independent Project**: Find a model to predict the outcome of a soccer game with the most accuracy possible.

* Applied the Poisson Distribution to find the correlation between goals and chances of winning.
* Created factors that could affect the result of the game and assigned weights.
* Trained the model with previous matchdays and optimizing the factors and weights.

**Result**: A model with a 65% of accuracy that can provide chances of winning based on previous results.

**NCAA STUDENT ATHLETE EXPERIENCE**

**MSOE NCAA Soccer Team** |  Sep 2022 - Present  |  20 hrs per wk

* Balance 3 term, 2-hour, daily practice, off season training & bi-weekly game travel with full-class schedule.
* Study, learn, and execute numerous game strategies, mechanics, and systems.
* Practice troubleshooting and problem-solving techniques in high stress, real-time competition environment and immediately modify strategy accordingly.

***Developing teamwork, communication skills, time management and prioritizing skills, competitive character, highly disciplined work ethic, and performance excellence.***

**LEADERSHIP | CO-CURRICULAR INVOLVEMENT | COMMUNITY SERVICE**

* **AI Club member**| MSOE | September 2023 - Present (5 hrs per wk)
* **Event Manager Volunteer** | Cardinal Stritch University | September - May 2023
* **Captain of Soccer Teams** | Selected as captain of multiple teams 5 times throughout soccer career.
* **Fundraiser for Non-profit organizations** | Madrid, Spain

**WORK EXPERIENCE**

* **Sales Agent** | Cardamomo Flamenco Madrid | Madrid, Spain | May – Aug 2023
* **IT help desk Assistant** | Cardinal Stritch University | Feb – May 2023 (20 hours per week)
* **Business Office Assistant** | Cardinal Stritch University | Feb – May 2023 (20 hours per week)
* **Technical Producer** | Juanjo SA | Madrid, Spain | May – Aug 2022

**INTERESTS**

Programming | Soccer | Reading | Physical Activity | Travelling | Connecting with people