Isiana Carr-Coleman

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Education

Wartburg College | B.A **| Computer Science |** Minors: Math & Data Analytics   May 2023

Internship Experience

John Deere | *Data Analyst Intern* **/** Waterloo   September 2020 – January 2022

- θ Located and acquired data from SAP / DB2 / EDL data pipelines to support analytics and reporting using Tableau, PowerBi, SQL and Databricks

- θ Engaged with cross-functional teams to develop and implement standardized reports across factory operations. This included applying analytical techniques for inventory control, supply management, production planning and material flow (e.g., predictive analytics)

- θ Inherited reports and automated processes, increasing workflow efficiency by 85% every week.

Technology Related Class Projects

- θ **Senior Design Project |** *Python* **|** I am engineering a pipeline of data using Media Pipe solutions to create a machine learning model to detect exercises. Using this ML model, I will develop an artificially intelligent personal trainer to correct exercise form taken from a live video feed using OpenCV. I am using tools such as Tensor Flow and Keras to create ML models and deploying the final AI product using a Raspberry PI. By the end of the semester, I hope to engineer the hardware to include a touch screen user interface that displays performance metrics as well as workout routines connected to a user profile. Expected completion date is May 2022

- θ **Submarine Destroyer Game |** *Python 3* **|** I was chosen to lead a team of 4 to engineer the software of a 2d video game as well as the User Interface. The final application was chosen to run in the College's Tech laboratory, out of 8 potential projects due to it's detailed-oriented features such as special effects and graphical interface.

- θ **Backgammon Variants |** *Python 3* **|** Chosen to lead a team of 3 to design a multi-variant game of into a single scalable application, maintaining performance, reliability and maintainability through test driven and Agile development. Lead within a collaborative environment to determine team goals, delegate project tasks, and ensured team met project deadlines.

- θ **Consulting Case Study|** *Excel, R Studio* **|** Created an actionable business plan aimed at maximizing profits and reallocating resource through analyzing our visualizations of geospatial data, sales forecasting, and other various analytic models.

Related Coursework

Introduction to Python		Probability and Statistics
Data Wrangling and Visualization with R and Python		Data Mining / Machine Learning / Algorithm Analysis
Object Oriented Programming/ Intro to Data Structures		
Mathematical Modeling		
Object Oriented Modeling and Design		Business Data Analytics

Work / Campus Leadership Experience

East Bremer Diner | *Server* **|** Waverly   August 2018 – March 2020

- θ Established detailed attentiveness through the pressure of having to prioritize tasks and deliver exceptional service during peak hours while also overseeing fellow servers closing duties.
- θ Developed the ability to diffuse and manage tense situations and anticipate consumer needs through feedback loops

IHSAA | *Wrestling Official* **|** Iowa   November 2018 – March 2020

- θ Preserved a professional level of composure and confidence while supervising players and coaches and promoting respectful interactions in a demanding environment.

θ   Maintained clear and decisive action while giving and receiving constant feedback from players, referees, supervisors, and management to ensure my skills were being improved upon.

Wartburg Women's wrestling | *Athlete* | Waverly

θ   Advocated for and Co-founded Wartburg's women's wrestling team