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GitHub | LinkedIn

Christian Rosse

Career Objective

A motivated Data Science undergraduate with practical experience in Python, SQL, and data modeling. Proficient in developing scalable data pipelines, building predictive models, and applying machine learning techniques to solve complex data challenges. Seeking to contribute to innovative projects that leverage advanced analytics and artificial intelligence.

Education and Certification

Bachelor of Science in Data Science, Minor in Information Technology
DePaul University | Expected Graduation: 2026

GPA: 3.7 | Dean's List (Multiple Semesters)

Core Skills and Competencies

Programming Languages: Python, Java, Javascript, SQL, HTML5, R, Jupyter, SAS

Libraries & Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, Django, ReactJS

Data Technologies: PostgreSQL, Google Apps Script, Microsoft Excel, Google Sheets

Soft Skills: Analytical Thinking, Team Collaboration, Problem Solving, Effective Communication

Work Experience

Communications Specialist | DePaul Athletics   **Apr. 2024 - Present**

- Coordinated in-game operations with a high-performing team in fast-paced environments.
- Conducted statistical research and presented insights to support team/player narratives.
- Led data collection, cleaning, and analysis for DePaul Women's Basketball statistics.

Relevant Projects

NCAA Transfer Analysis

- Wrote Python scripts to scrape and transform website data into structured spreadsheets.
- Developed a public database for College Football transfer insights.
- Trained and tested linear regression and neural network models to predict player success and evaluate transaction value.
- **Technologies Used**: Python, Pandas, Scikit-learn, NumPy

Key Achievement: Designed a metric to dynamically assess the potential value of transfers, aiding coach decision-making.

PFF Reliability Analysis ([Ongoing](#))

- Cleaned and scaled PFF prop bet data to analyze reliability and patterns.
- Applied machine learning techniques like neural network training to uncover trends.
- Shared findings via LinkedIn posts to engage broader audiences with actionable insights.
- **Technologies Used**: Python, TensorFlow, Matplotlib

GOAL: Expose trends suggesting PFF may mislead subscribers in public prop picks.

Wine Quality Analysis

- Conducted exploratory data analysis on a dataset of wine chemical properties.
- Built and evaluated predictive models to classify wine quality effectively.
- Presented findings in an educational report and peer-reviewed session.
- **Technologies Used:** SAS

Model Stock Exchange

- Designed and implemented a structured stock exchange simulation using object-oriented principles.
- Applied design patterns (e.g., Strategy, DTO, Flyweight, Factory) to optimize architecture.
- Achieved a 97.4% grade for project excellence.
- **Technologies Used**: Java, Intellij IDEA

GOAL: To exemplify understanding of the class concepts towards coding a real-world application.

[Teamup Now](#)

- Collaborated with a team to build a social media app for DePaul students.
- Learned and integrated Django, React, PostgreSQL into the development process.
- Delivered project using Agile methodologies, meeting deadlines ahead of schedule.

GOAL: To create a social media app for DePaul students to post and sign up for independent projects.