

# Tyler Weber

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[LinkedIn](#) | [Github](#) | [Personal Portfolio](#)

## EDUCATION:

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### University of North Carolina at Charlotte, Charlotte, NC

May 2026

*B.S. in Computer Science, Concentration in Data Science*

GPA: 3.95

- Honors: **Chancellor's List** (Fall 2023 - Spring 2025)
- **Relevant Coursework:** Data Mining, Visual Analytics, Data Structures & Algorithms, Database Design & Implementation, Backend Application Development, Software Engineering

## TECHNICAL SKILLS:

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**Languages:** Python, SQL, Java, C++, HTML, CSS

**Tools & Libraries:** Pandas, Matplotlib, Seaborn, Scikit-Learn, Jupyter Notebooks, Excel

**Technologies:** PostgreSQL, Prisma, FastAPI, REST APIs, Git, Linux, Visual Studio, JUnit Testing

**Core Foundations:** Data Cleaning, Visualization, Machine Learning, Web Development, Object-Oriented Programming

## PROJECTS:

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### Madden NFL Position Classification | [Portfolio](#)

October 2025

Developed a machine learning model to predict NFL player positions using Madden ratings and physical attributes.

- Achieved 94% test accuracy and 91% macro F1 score by engineering key features and optimizing the model.
- Performed data preprocessing, including cleaning and normalization, to set up and improve model performance.
- Built with Python, scikit-learn, pandas, and visualization libraries, producing insightful visualizations and actionable insights.

### Restaurant Order Management API | [GitHub](#)

August 2025

Developed a backend system for a restaurant to automate order tracking and menu management.

- Collaborated in a team of 4 using Agile Scrum (sprint backlogs, reviews, and user stories) to drive development.
- Designed endpoints, relational schemas, and UML documentation for maintainable, scalable architecture.
- Delivered a production-ready API with validation and CRUD functionality, streamlining restaurant operations.

## WORK EXPERIENCE

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### Produce Associate | Food Lion

May 2025 - Present

- Supported one of the region's top-performing produce departments by tracking inventory levels and analyzing sales data to guide order and restocking decisions.

### Retail Associate | Dick's Sporting Goods

May 2024 - September 2024

- Engaged 100+ customers daily, consistently achieving a 90% rewards program activation rate and ranking among top associates in warranty and credit card conversions.

## STUDENT INVOLVEMENT

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### Computing & Informatics Learning Community - UNCC

August 2023 - May 2024

- One of 48 students selected for a cohort focused on technical collaboration, networking, and project-based learning in computer science.
- Participated in coding workshops and mentorship sessions emphasizing soft skills and professional growth.