

CRISTIAN FLORES

[LinkedIn](#) · [GitHub](#)

SKILLS:

- **Data Analysis & Visualization:** Proficient in R (tidyverse, ggplot2, plotly, Shiny), Python, SQL, Tableau, and Excel for cleaning, modeling, and visualizing data through dashboards and reports
- **Statistical & Machine Learning Methods:** Experienced with regression, classification, cross-validation, and Monte Carlo simulation for predictive modeling and performance evaluation
- **Communication & Collaboration:** Skilled at translating complex findings into actionable insights and clearly communicating results across technical and non-technical teams

PROJECT EXPERIENCE:

Pitch Intelligence — Predictive Baseball Application

R, Shiny, Random Forest Modeling

- Built an R-based system predicting MLB pitch type, location, and batted-ball outcomes using Random Forests
- Developed a full-stack interactive Shiny app with real-time heatmaps and bar charts for coaches and player-development staff
- Tracked top-1 and top-3 pitch-type accuracy (82.6% test precision) to deliver actionable in-game insights

Champions League Prediction Model

R, Monte Carlo Simulation, Zero-Inflated Poisson Regression

- Modeled UEFA Champions League outcomes using home/away ZIP regressions with expected-goals (xG) and save-rate predictors
- Simulated 10,000 tournaments to generate win-probability distributions and benchmark results against market odds
- Produced concise analytical summaries balancing rigor with interpretability for both technical and general audiences

PROFESSIONAL EXPERIENCE:

Jersey Shore BlueClaws — Ticket & Sponsorship Data and Analytics Intern

Lakewood, NJ | Summer 2025

- Analyzed customer segments in *StellarAlgo* and *Score CRM* to enhance campaign targeting and outreach efficiency
- Combined sponsor-sales and game-day data to reveal revenue trends and build reports driving partner renewals
- Collaborated with sales and executives to align analytical insights with strategic objectives

Wawa, Inc. — Customer Service Associate

New Jersey | 2022–Present

- Serve 50+ customers per shift, collaborating with teammates to sustain efficient, high-volume operations

EDUCATION:

Rutgers University – New Brunswick, NJ

- **B.S. in Business Analytics & Information Technology**, *Minor: Economics* — GPA: 3.52 — Expected Graduation: May 2026
- **Relevant Coursework:** Business Decision Analytics, Risk Modeling, Economic Data Analytics, Statistical Methods, Time Series Modeling

COMMUNITY INVOLVEMENT:

- **Basketball Participation** — Varsity Team (2019–2021), Men's League (Winter 2024–2025)
- **Cystic Fibrosis Foundation** — Volunteer supporting fundraising events through community haunted trail initiative