Dariel Cruz Rodriguez

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EDUCATION

The University of Chicago — Chicago, IL
Bachelor of Science in Data Science — Anticipated June 2026
Bachelor of Arts in Public Policy (specialization in Artificial Intelligence policy) — Anticipated June 2026
Honors: 2024 Annual Policy Competition 2nd Place Winner, Public Policy Leaders Program, Odyssey Scholar

Valencia College — Orlando, Florida
Associate of Arts in General Studies — June 2022
Honors President's List, Graduation Honors

Embry Riddle Aeronautical University - Gaetz Aerospace Institute — Daytona Beach, FL
Visiting Student — May 2021 – May 2022
Relevant Coursework: Principles of Aeronautical Science, Unmanned Aircraft Systems

EXPERIENCE

United Airlines — Chicago, IL
Intern, Airport Operations (ORD) — June 2025 - August 2025
- Applied advanced data analytics (K-Means clustering, NLP) to analyze 300,000+ customer comments and identify patterns in operational metrics, driving actionable insights across hub functions
- Built a suite of interactive dashboards in Spotfire and Power BI to monitor 26+ real-time KPIs such as on-time departure rate (CD00) and Net Promoter Scores (NPS), automating manual reports and reducing reporting times by up to 90%
- Partnered with internal teams as an operations data analyst to conduct ad-hoc analyses using the United Data Hub and support decision-making across airport operations
- Delivered executive summaries and slide decks for leadership on quick turn (MST) performance, informing strategy that drove the highest summer MST turn compliance rate (78.61%) in 4 years

Grassroots Analytics — Washington, D.C.
Summer Data Analyst — June 2024 - August 2024
- Managed and fulfilled 60+ specialized data using SQL, STATA, Python, and proprietary tools, segmenting a 25M+ donor database into hyper-targeted lists and delivering 36,379 high-propensity contacts.
- Collaborated with 40+ political and non-profit clients to develop tailored, data-driven fundraising strategies that achieved a 40% election win rate, directly translating to an average ROI of $81 for every dollar spent.

LEADERSHIP ACTIVITIES

UChicago Transit Enthusiasts & Explorers — Chicago, IL
President — December 2023 – Present
- Expanded membership from a small group to 90+ active undergraduates and graduates
- Coordinated 10+ professional development events with industry leaders (e.g., American Airlines, CTA, Transdev, United Airlines), engaging 60+ students in off-campus visits
- Organized 10+ transit excursions to local cultural sites, educating 60+ students on public transportation benefits
- Launched the "UGotGhosted" campaign to collect data on university shuttle service issues; submitted a report with findings to University administration leading to shortened wait times by almost 50%.

PROJECTS

A selection of projects is shown below. All projects may be found at https://www.dariel.us/projects.html.

How Is MCO Today? X Bot — February 2025
Python, Git, REST API, Power BI, Web-scraping
An automated bot called @howismcotoday on X and BlueSky, which scrapes the MCO Departures Board for upcoming departures and produces a scoring metric for how well the airport is operating. Posts an updated score every 30 minutes.

SKILLS

Computer: Python, R, SQL, HTML, CSS, Flask, Django, REST APIs, Nginx, Docker, Git, Microsoft Excel, Linux server administration, Power BI, Spotfire, Palantir Foundry, DBeaver, Pandas, Numpy, ETL, scikit-learn, GSuite, Google Sheets
Analytical Methods: Linear Algebra, Multivariable Calculus, Regression/Clustering Analysis, Probability, Markov Chains
Certifications: Adobe Associate in Premiere; Unmanned Aircraft Pilot Certificate; IBM Data Science Professional Certificate; United Management Training