

Dariel Cruz Rodriguez

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EDUCATION

The University of Chicago

Bachelor of Science in Data Science

Chicago, IL

Bachelor of Arts in Public Policy (specialization in Artificial Intelligence policy)

Anticipated June 2026

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Honors: 2024 Annual Policy Competition 2nd Place Winner, Public Policy Leaders Program, Odyssey Scholar

Valencia College

Associate of Arts in General Studies

Orlando, Florida

June 2022

Honors President's List, Graduation Honors

Embry Riddle Aeronautical University - Gaetz Aerospace Institute

Visiting Student

Daytona Beach, FL

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 graduate students](#)
- Coordinated 10+ [professional development events with industry leaders](#) (e.g., American Airlines, CTA, Via Transportation, Transdev, United Airlines), engaging 60+ students in off-campus visits
- Organized 20+ transit excursions to local cultural sites, educating hundreds of students on public transportation benefits
- [Mobilized 35+ students from across Chicagoland](#) in Springfield to fund public transit, leading to largest funding bill to date

PROJECTS

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

[The World's Most Magical Airport on Earth? The Effect of Mandated Flight Reductions at MCO](#)

November 2025

Python, SQL, Git, NiceGUI, Data Visualization, Data Modeling, ETL

Conducted a data-driven case study of FAA emergency schedule reductions, integrating multiple datasets and deployed a live dashboard to model cancellation patterns and how national ATC staffing shortages propagated operational strain at MCO.

[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

Security Clearance: TS/SCI eligible; Full-Scope Polygraph completed June 2024