

# DARIEL CRUZ RODRIGUEZ

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## EDUCATION

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**University of Chicago**, Chicago, Illinois

*Bachelor of Science in Data Science*, expected June 2026

*Bachelor of Arts in Public Policy Studies*, expected June 2026

**Honors** 2024 Annual Policy Competition 2<sup>nd</sup> 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**, Orlando, Florida

*Visiting Student in the Gaetz Aerospace Institute*, June 2022

## EXPERIENCE

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**United Airlines**, Chicago, Illinois

*Airport Operations Intern*, expected to start in June 2025

- Utilize **advanced data analytics tools (SQL, Python)** to identify trends in operational metrics, informing evidence-based recommendations for airport policy improvements and regulatory compliance.
- Develop **interactive dashboards** to track real-time performance indicators (e.g., baggage handling, on-time departures), facilitating transparent communication of policy outcomes to leadership and stakeholders.
- Serve as an internal consultant for various operating divisions, conducting **business analyses to identify and address operational challenges** by developing clear, data-driven recommendations.

**School Board of Orange County, Florida**, Orlando, Florida

*Analytics and Special Projects Coordinator*, December 2023 – Present

- Synthesized and analyzed data from 30+ schools—**spotlighting a 95.9% graduation rate** (above Florida's 87.3%) and **4%/3% math/ELA gains**—and delivered insights via **slide decks, Power BI, Looker Studio, and memos** to advise my assigned board member on improvements in District 2-area schools.
- Automated data visualization by scripting Python routines to generate time-series line graphs of school performance since 1999, **cutting manual reporting time in half**.
- Coordinated community events and educational initiatives—including the Summer High School Fellowship and Top 20 Alumni programs—that has **engaged over 80+ participants and bolstered community outreach**.

**Grassroots Analytics**, Washington, District of Columbia

*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**.
- Designed a comprehensive Looker Studio dashboard to streamline client analytics reporting, **reducing turnaround time by 66%** and enhancing accessibility of data across internal teams.

**University of Chicago — Office of Federal Relations**, Washington, District of Columbia

*Policy Research Intern*, June 2023 – August 2023

- Attended **25+ congressional hearings** and drafted incisive policy memos that informed strategic decisions for a team of 7 key stakeholders regarding grant funding and lobbying initiatives.
- Comprehensively reviewed the 2024 federal budget, identifying **\$11.9B+ in additional AI research funding**.

## LEADERSHIP & ACTIVITIES

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**University of Chicago Transit Enthusiasts and Explorers RSO**, Chicago, Illinois

*President and Founder*, January 2024 – 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%**.

### **University of Chicago Undergraduate Student Government**, Chicago, Illinois

*Appointed Member of Transportation & Safety Advisory Board*, January 2024 – Present

- Collaborated with administrators and vendors to enhance student transportation safety by drafting shuttle routes, identifying system glitches, and conveying public feedback.
- Facilitated the transition from Lyft SmartRide to Via Ride Share by communicating platform benefits to students and implementing cost-effective measures to minimize resistance.

### **University of Chicago — Chicago Studies**, Chicago, Illinois

*Research Assistant*, June 2023 – August 2023

- Contributed to the Century on 63rd project by uncovering and documenting the historical context of buildings, residents, and local businesses along 63rd Street in Chicago’s South Side.
- Utilized GIS tools to accurately identify and **digitally reconstruct over 20 significant buildings**, fulfilling key research deliverables related to piecing back together the story of Englewood Union Station

## **SKILLS**

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**Programming:** Python, R, STATA, HTML, CSS

**Frameworks/Libraries:** Pandas, Django, Streamlit, scikit-learn

**Tools:** Git, Power BI, Looker Studio, Canva, Adobe Illustrator, Adobe Premiere, GSuite, Excel, Google Sheets

**Certifications:** Adobe Certified Associate in Premiere, FAA Remote Pilot Certificate (*for industry knowledge*), IBM Data Science Professional Certificate

## **PROJECTS**

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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, API, 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.

### **Visualization of Average Airfare by Domestic U.S. Airport**, November 2024

*Python, Streamlit, Open data sets*

Pulling data from the Department of Transportation's Bureau of Transportation Statistics, I built a dashboard that visualizes historical airfare averages at all major domestic U.S. airports since 2000.

### **Impact of Sporting Events on Transit Ridership: Analysis at the Sox-35th CTA Station**, November 2024

*Matplotlib, Statistical Analysis (regression), Web-scraping, Open data sets*

Explored how Chicago White Sox game days impact transit ridership at the Sox-35th Red Line station. Findings reveal that while game occurrence drives increased ridership, factors like game outcomes and temp. have minimal effects.