

# Alesandro Rodriguez

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## EDUCATION

### Utah State University, Jon M. Huntsman School of Business

Logan, UT

#### Master of Management Information Systems

Dec 2025

- **GPA: 3.75**, while working 20 hours per week
- Member: Association for Information Systems, Aggie First Scholars, Association of Latino Professionals for America

#### Bachelor of Science: Information Systems, Data Engineering Emphasis; Minor: Data Analytics

May 2024

- **GPA: 3.60**, while working 20 hours per week
- Recipient: Shirley & Marian Howard Scholarship, Regents' Scholarship, Brad H Dance Scholarship, Deloy and Lynette Hansen School, Julie A Cook "Data Ninja" Scholarship
- Member: Association for Information Systems, Aggie First Scholars

## TOOLS

**Languages:** SQL, Python, Linux

**Machine Learning:** Regression, Classification, Natural Language Processing, Neural Networks

**Database Tools:** Databases, OLTP, Data Warehouses, OLAP, ETL

**Technologies:** MS SQL Server (SSIS, SSAS, SSRS), Excel, Tableau (Desktop, Prep Studio), GitHub

## PROJECTS

### AIS HCA Healthcare Challenge

Feb 2025

- Developed an interactive data-driven analysis using Python and Tableau to identify high-risk counties, assess workforce vulnerability, and optimize resource allocation for disaster response
- Designed visualizations in Tableau to track disaster impact, employee distribution, and resource needs, supporting proactive decision-making for emergency preparedness

### Election Discourse Analysis

Dec 2024

- Developed an AI-driven NLP pipeline to analyze election-related discussions using sentiment analysis, topic modeling, and document similarity
- Designed an interactive Streamlit dashboard to visualize sentiment trends, topic distribution, and enable real-time user interaction with election-related insights

## WORK EXPERIENCE

### Utah State University - College of Engineering

Logan, UT

#### Lead Student Data Analyst

May 2023 - Present

- Analyzed retention data for an introductory course using Tableau, Tableau Prep, and Excel, enabling professors and program's dean to make strategic, data-driven decisions
- Explored transfer student data for the College of Engineering with Tableau and R, uncovering key trends to departmental strategy and decision-making
- Trained and mentored new data team member, redesigning onboarding process with best practices and hands-on guidance, ensuring their successful completion of comprehensive data analysis project.
- Prepared and presented detailed project findings to stakeholders, including the associate dean, faculty, and staff, offering data-driven insights to inform strategic decisions

### Utah State University - Jon M. Huntsman School of Business

Logan, UT

#### Analytic Teaching Fellow

Aug 2023 - Present

- Provided real-time in-class/online assistance to 50+ students, answering questions and clarifying concepts in Tableau, resulting in improved content understanding by students

### Utah State University - Aggie First Scholars

Logan, UT

#### Peer Mentor

Aug 2022 - May 2023

- Mentored 11 scholars through one-on-one and small group meetings, fostering engagement and belonging while executing weekly communication to encourage event participation and connect students with university resources

## VOLUNTEER / LEADERSHIP

### Thomas Edison Charter School

Logan, UT

#### Volunteer

Jan 2023 - Feb 2023

- Formed and led a group of 4 to successfully fundraise \$1,000 for school's band program
- Partnered with Panda Express manager to organize a campaign that donated 100% of proceeds over 30 days, effectively doubling the band program's original budget

## SKILLS / INTERESTS

- Spanish, Native/primary fluent; English, Native/primary fluent
- Passionate Musician – Played with 2 university honor bands, including the 2021 Utah All-State Band