Deyang Cao

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Boston,MA

EDUCATION

Boston University   Sep 2024 - Dec 2025
MSc. in Business Analytics   Boston,MA

University of Connecticut   Sep 2020 - May 2024
BSc. in Economics   Storrs, CT

Technical Skills

- **Skills:** Data Analysis(Python, R, SQL), Business Intelligence (BI), Requirements Gathering, Market Research
- **Certifications:** Google Data Analytics Certificate, Google Ads Display Certification
- **Languages:** Mandarin(Native), English (Fluent)

PROFESSIONAL EXPERIENCE

COFCO International   May 2024 - Aug 2024
Data Analytics Intern   (Tableau, SQL, Excel) Beijing,China

- Extracted, cleaned, and processed **2M+** rows of structured and unstructured trade data from **SQL** databases and API sources, optimizing data pipelines by **30%** to enable faster insights generation for business teams.
- Designed and developed an interactive wheat dashboard using **Excel and Tableau** to visualize KPIs such as inventory levels, market demand, and supply chain efficiency, enabling stakeholders to monitor business performance in real-time and make data-driven decisions.
- Developed **predictive models (ARIMA, Prophet)** to forecast future grain demand based on historical transaction data, improving inventory allocation efficiency by **15%** and reducing surplus stock losses by optimizing warehouse stocking strategies.
- Conducted market analysis using **clustering techniques (K-Means, DBSCAN)** to identify high-growth markets and underperforming regions, leading to an 8% improvement in supply chain efficiency and better resource allocation.

Beehome Realty   Jun 2023 - Sep 2023
Business Analytics Intern   (Python, R, Tableau) Boston, U.S

- Utilized R, Python, and Tableau to analyze **100k+** real estate transaction records, optimizing query efficiency by **30%** and enabling faster access to critical business insights.
- Conducted in-depth analysis of market trends and customer behavior, identifying high-potential neighborhoods and underperforming areas, which contributed to a **10%** increase in targeted marketing effectiveness.
- Collaborated with sales and marketing teams to translate data insights into actionable strategies, optimizing pricing models and improving sales conversion rates by **15%**

SPORIT   May 2022 - Aug 2022
Marketing Intern

- Developed data-driven marketing strategies for the IES (Rowing Elite Program), analyzing athlete performance metrics (e.g., training efficiency, competition results) to craft compelling narratives for sponsors and media partners
- Secured partnerships with **2** Olympic venues through data-driven negotiations, reducing costs by **20%** and driving **$50K+** sponsorship revenue for **3** flagship events, with **40%** increase in social media engagement.
- Designed and produced **20+** promotional materials (e.g., brochures, posters, social media graphics) and **5** promotional videos, utilizing data-driven insights to tailor content strategies, which increased event awareness by **40%** and boosted audience engagement by **25%**

LEADERSHIP EXPERIENCE

CSSA   Sep 2021 - May 2023
External Affairs Member

- Secured sponsorships from 20+ enterprises, enhancing event funding and engagement for a student community of 300+ members.
- Organized outreach initiatives and managed email & social media campaigns, increasing sponsor engagement by 50% and expanding reach within the student body.

Low-Carbon Energy Transition & Air Quality Improvement Project

Lead Data Analyst

- Led a 6-person research team in assessing the impact of LNG terminal infrastructure, conducting a cost-benefit analysis that projected a 12% reduction in carbon emissions and a 7% improvement in regional air quality.
- Conducted a comparative analysis of urban energy transitions, evaluating the policy implications and economic feasibility of LNG adoption, and presented data-driven recommendations to policymakers, supporting long-term sustainability strategies.