Jia Nie

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SUMMARY

Master's student in Applied Data Science with a strong foundation in Statistics and Data Science. Proficient in Python, R, and SQL, with hands-on experience in data analysis, machine learning, and data visualization. Skilled in leveraging big data technologies to derive actionable insights and enhance decision-making processes.

EDUCATION

The University of Chicago | Chicago, IL   Expected December 2025
Master of Science in Applied Data Science
Coursework: Big Data and Cloud Computing, Leadership and Consulting in Data Science, Statistical Models for Data Science

University of California, Santa Barbara (UCSB) | Santa Barbara, CA   June 2024
Bachelor of Science in Statistics and Data Science, Minor in Educational Studies
GPA: 3.76/4

EXPERIENCE

ACADEMIC AFFAIRS INTERN   October 2023 – June 2024
Academic Affairs Student Internship Program, UCSB | Santa Barbara, CA

- Classroom & Technology Project: Conducted data collection efforts with mentors and fellow interns, gathered 1400+ survey responses to analyze classroom and learning conditions on campus and formulate data-driven recommendations for senior administration.
- Completed Crucial Conversations training, enhancing skills in effective communication, conflict resolution, and negotiation for navigating challenging professional discussions.
- Completed Lean Six Sigma Yellow Belt training, proficient in utilizing methodologies to improve business processes.

BIG DATA INTERN   June 2023 – August 2023
Epro Information Technology Co.| Guangzhou, China

- Used SQL to extract the required data from the big data of customer company.
- Processed and visualized the data to present the regional sales, equipment status, safety indexes, etc.
- Collaborated with the data team to design and implement data dashboards for business insights.
- Contributed to data-driven decision-making of customer company.

ADMINISTRATIVE DATA ASSISTANT INTERN   January 2023 - May 2023
County of Santa Barbara, Real Property Division / Santa Barbara, CA

- Managed 4000+ projects in real property database (Yardi), responsible for timely updating information.
- Extracted information in the database, and provided detailed notes summarizing project content.
- Collected and synthesized data from deeds, easements, legal descriptions, property maps, and contracts using Excel.

COURSE PROJECT

Big Data Analytics Group Project   March 2024

- Built a **machine learning pipeline** using **PySpark** on **Google Cloud Platform (GCP)** for data cleaning, feature engineering, and predictive modeling to analyze U.S. voter turnout.
- Identified key voter turnout predictors through **logistic regression** and **data visualization**, providing actionable insights for political campaigns.

SKILLS

- Python, R, SQL, Tableau, Shell, SAS, Excel