JESSICA (WENXIN) GUO

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EDUCATION

University of California, Berkeley   Berkeley, CA
Master of Analytics| Cumulative GPA: 4.00/4.00   Expected August 2024
University of California, Berkeley   Berkeley, CA
B.A. in Data Science | Cumulative GPA: 3.76/4.00   May 2023

PROFESSIONAL EXPERIENCE

Canadian Solar Inc.   Walnut Creek, CA
Data Analyst Intern   May 2023 - July 2023
- Developed a custom **Excel macro**, reducing report preparation time by 70%, optimizing resource allocation.
- Implemented rigorous data validation in **Python**, resulting in a 20% reduction in forecasting errors, improving data accuracy.
- Crafted and deployed interactive **Power BI** dashboards for analysts to compare average inbound lead time with different storage locations, enhancing data-driven decision-making.

Gotion Inc.   Fremont, CA
Data Engineer Intern   May 2022 – August 2022
- Devised **Python**-based solutions to decode CAN log files, extracting vital operational insights.
- Led the creation of **Grafana** dashboards for real-time battery data analysis, enabling real-time monitoring and analysis of critical business metrics, resulting in a 30% improvement in tracking key metrics.
- Built an **AWS**-based **ETL** pipeline, enhancing data management and workflow efficiency.
- Streamlined data analysis using **SQL**, expediting decision-making processes.

RallyCry Ventures   Cambridge, MA
Data Analytic Intern   January 2021 – March 2021
- Researched and uncovered early-stage startup companies that fit RallyCry's investment criteria
- Used data operations and visualization tools like **SQL** and **Excel** to analyze real-world data on startups

RESEARCH EXPERIENCE

Undergraduate Lab @ Berkeley: ULAB   Berkeley, CA
Research Apprentice   September 2021 – May 2022
- Utilized **Sklearn** for modeling and **Seaborn** for visualization, achieving precise predictions of COVID-19 cases.
- Spearheaded comprehensive feature engineering and model selection to yield an impressive maximization of prediction accuracy.

UC Berkeley Data Science Discovery Program   Berkeley, CA
Research Apprentice   September 2021 – December 2021
- Collected Feature Request Data and trained an AI Model to predict the sentiment of a review
- Pioneered a **SaaS** Tool for extracting actionable insights from feedback data.

PROJECT EXPERIENCE

INDENG 243 Analytics Lab   Spring 2024
Airbnb Recommendation System Lead Developer
- Developed real-time filtering mechanisms to tailor suggestions dynamically based on user data.
- Crafted hybrid recommendation models, blending collaborative and content-based filtering to enhance personalization and accuracy.

SKILLS

Skills: Proficient in reporting/analytic tools and environments, Advanced proficiency in data structures and hands-on SQL coding, Designing and optimizing data-processing systems using AWS services (S3) and Lambda, Proficient in Microsoft Excel, including macro development and pivot tables, machine learning, Deep Learning.
Programming: Java, Python, Pytorch, TensorFlow, Scheme, SQL, ETL, Git, Github
Language: Mandarin Chinese, English