SHERIE LIN
DATA SCIENTIST

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Data Scientist with 4 years of experience in machine learning, cloud-based data pipelines, and predictive analytics. Skilled in Python, SQL, and BI tools, with a proven ability to optimize AI/ML models and lead cross-functional teams to deliver scalable solutions. Expertise in renewable energy, SaaS, and consultancy industries, driving insights to improve efficiency and product performance.

WORK EXPERIENCE

Data Scientist (AI/ML)
AES Corporation, North Carolina, USA | Mar. 2023- Present
- Built Time Series and Gradient Boosting models for risk assessment, leveraging Monte Carlo simulations to reduce KPI forecast errors by 8% and enable 15% better resource allocation.
- Automated ETL pipelines in GCP (BigQuery), cutting pipeline latency by 12% and enhancing real-time insights.
- Led a cross-functional team to build real-time analytics dashboard for 215 sites, saving engineers 4+ hours weekly and reducing operational downtime by 10%.
- Mentored 5 employees of the Woman in Data Program, coaching on Python, SQL and PowerBI use cases.

Data Analytics Intern
The Ether Group (NYSERDA Program), New York, USA | Oct. 2022- Dec. 2022
- Streamlined data extraction and transformation workflows, improving data accuracy by 15% and reducing manual effort with Python (Selenium, BeautifulSoup).
- Created Tableau dashboards to optimize workflows and visualize energy efficiency metrics through statistical analysis.

Engineering Consultant
Protect-Eco Consultancy Co. Ltd, Taipei, Taiwan | Aug. 2020- Jul. 2021
- Managed 22 government-funded projects, achieving 100% on-time delivery and improving transparency.
- Delivered actionable policy recommendations by analyzing 5-year subsidy data for 33 disposal article types.

EDUCATION

Master's Degree in Applied Analytics (Computer and Information Science)
Columbia University in the City of New York | New York, USA | 2021- 2022
- Capstone: Increased client company Global Overview's advertising ROI by 33% through analytical frameworks for bidding strategies.
- Grade: 4.0/4
- Relevant Course: Anomaly Detection, Cloud Computing, Managing Data, Research Design, Storytelling with Data.

Bachelor's Degree in History (Minor in Agricultural Economics)
National Taiwan University | Taipei, Taiwan | 2015- 2020
- Grade: 3.8/4

International Exchange Program in Business
Victoria University of Wellington | Wellington, New Zealand | 2018- 2019

GENERAL SKILLS
Cloud & Dev Ops / ML Ops
Financial Modeling & Risk Assessment
Statistical Analysis
Data Analysis & Data Visualization
Machine Learning & Predictive Modeling
Six Sigma Agile Methodologies
Database Structures

TECHNICAL SKILLS
Frameworks & languages
Python, R, Spark, SQL, Docker, GitLab

Databases
MySQL, Postgres, MongoDB

Data Science Toolkit
Scikit-learn, NumPy, Pandas, H2O, TensorFlow, SciPy, Pytorch, Flask

Big Data Environments
Google Cloud Platform, AWS: EC2, S3, SageMaker

BI Tools
Tableau, PowerBI, Looker

ACHIEVEMENTS
- **AWS Cloud Practitioner**
- **2024 AES Corporation Top 10 US APEX Project**
- **Completed 2016 Tokyo 42K Marathon**
- **2016-2018 History Department Women's Basketball Team Captain**

LANGUAGES
English (Fluent)
Mandarin Chinese (Fluent)
Spanish (Intermediate)