

Nadia Liao

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Dynamic and insightful Data Analyst, armed with a Master's in Learning Sciences and Technologies, and a strong foundation in data manipulation and visualization techniques. Demonstrated expertise in SQL, Python, and MS Power BI, complemented by a track record in deploying comprehensive research methodologies and producing persuasive visual data representations. Praised for a sharp analytical acumen and unwavering commitment to uncovering data-driven insights that inform strategic decision-making. Proactively seeking opportunities to apply my robust analytical skill set and visualization prowess to catalyze meaningful growth and innovation in a forward-thinking organization.

Experience

Data Analyst Intern

Jul. 2022 - Aug. 2022

Institute for Information Industry

- Conducted comprehensive analysis and synthesized findings from advanced Federated Learning research, significantly enhancing the content and insights for key periodic reports.
- Spearheaded the development of a predictive model using PyTorch and the MNIST database, achieving a specific metric of improvement, which demonstrated the practical application of complex theoretical concepts.

Research Assistant

Sep. 2021 - Jan. 2023

National Tsing Hua University

- Innovated research processes by designing and implementing an interactive MS Power BI dashboard, leading to a 20% surge in data utilization and significantly streamlining data analysis workflows.
- Expertly managed and executed comprehensive surveys and questionnaire coding, markedly improving data accuracy and reliability, thereby enhancing the overall quality of research outcomes.

Project Specialist

Sep. 2017 - Mar. 2021

National Chiao Tung University

- Successfully led the management of a dynamic online course platform, servicing over 100 colleges and receiving recognition from 250+ medical institutions, thereby significantly expanding the platform's educational impact and reach.
- Performed insightful data analysis resulting in comprehensive monthly reports that were instrumental in strategic planning and data-driven decision-making across the institution.
- Delivered top-tier customer service to approximately 45 users daily, coupled with the design and presentation of over 5 educational lectures per year, effectively boosting user engagement and educational outreach.

Education

M.S. Institute of Learning Science and Technologies , National Tsing Hua University

2023

- Focus on big data analysis, business analysis, text mining, and data visualisation, GPA: 4.22/4.3
- Thesis: The Restaurant Recommendation System Based on Text Mining and Visualisation Techniques of Google Reviews

B.S. Business Administration, National Yunlin University of Science and Technology

2017

Skills

- Python, R, Excel, Google Sheets
- SQL
- Power BI, Tableau, Matplotlib
- Git, Github
- HTML5, CSS3
- Problem-solving
- Project Management
- Focus on Detail
- Communication, Teamwork
- Adaptability