

Jenny Shyu

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EDUCATION

University of California, San Diego

M.S. in Business Analytics

B.S. in Joint Mathematics-Economics, Minor in Computational Social Science

San Diego, CA

08/2024 – 06/2025

09/2021 – 06/2024

WORK EXPERIENCE

Technology-Data Analytics Intern

06/2024 – 08/2024

LPL Financial (Reference Data Master Team)

San Diego, CA

- Conducted research, analysis, and Confluence documentation of core resources in the RDM team using SQL to improve members' understanding of key words and operational procedures, which was then presented to CIO and senior leadership.
- Constructed SQL queries to optimize automated system of flagging unmatched IDs in pricing, security, and product datasets.
- Collaborated with team members using the Agile Scrum methodology and project management tools like Jira to facilitate task management, monitor progress, and ensure the timely and efficient delivery of objectives during the internship.

ACTIVITIES AND LEADERSHIP

Teaching Assistant

10/2024 – Present

Business Project Management (University of California, San Diego)

San Diego, CA

- Collaborate with Professor Carsten Zimmermann to grade coursework and lead weekly office hours for a total of 180+ students, clarifying concepts of key project management methodologies, including Agile and Waterfall practices.

VP Data Analytics/Strategy Consultant

10/2022 – 06/2024

Lumnus Consulting (Student-run consulting organization)

San Diego, CA

- Led 5 workshops that trained at total of 16 new interns core data analysis and visualization skills such as Python, Excel, and Looker Studio to visualize consumer interest and achieve data-driven solutions.
- Pitched to 15+ startups at a company showcase, resulting in 5+ project partnerships for the school year.
- Spearheaded design and development of 3 new product features for the Lumnus website using HTML, CSS, and JavaScript, attracting 30% more clients.

Technology Project Manager

9/2022 – 06/2024

Undergraduate Economic Society (TechOps Committee)

San Diego, CA

- Guided a team of 4 towards building Power BI dashboards for surveys designed and administered through Qualtrics and Google Forms sent to over 1,000 students that gathered statistics from 3 events to improve participant satisfaction rate by 60%.
- Analyzed survey data from 200+ students with predictive models such as time series forecasting from prior year to spot gaps in recruitment campaign, generating an action plan which increased following year's recruitment turnout by 100%.
- Implemented Asana to streamline task delegation and project tracking, boosting team productivity by 20%.

UNIVERSITY PROJECTS

Supplier Data Integration | SQL, Snowflake, Python

08/2024 – 08/2024

- Automated ETL processes using Python and Snowflake to consolidate structured data from CSV, XML, and Postgres, utilizing virtual warehouses for efficient query execution and data loading.
- Integrated NOAA weather data with supplier records from Snowflake Marketplace, optimizing data pipelines by developing SQL-based transformations and analysis through use of virtual warehouse resources to compute key discrepancies.

Income and Education on Crime in Los Angeles | Python

09/2023 – 12/2023

- Delivered data-driven insights into the impact of education and income on crime severity in Los Angeles by analyzing felony and misdemeanor data with 1,000+, revealing key socio-economic factors influencing criminal activity.
- Performed EDA and data visualization including scatterplots, density plots, box plots, and OLS regression, finding a weak positive correlation between income and felony rates, with no significant link to education levels.

ADDITIONAL SKILLS

- Relevant Coursework:** Data Driven Communications, Product and Project Management, Data Structures, SQL and ETL, Business Analytics in Finance, and Operations, Customer Analytics, Technology Innovation and Strategy, Scalable Analytics.
- Technical Languages:** Python, SQL (PostgreSQL, MSSQL), Excel, R, Stata.
- Tools:** Microsoft Office, Looker, Tableau, AWS (EC2, S3, EMR, Sagemaker), Hadoop, PySpark, Docker, Snowflake, GitHub
- Skills:** Agile/Scrum, Waterfall, Supervised ML, Data Visualization, Data Science Pipeline, Prescriptive and Predictive Analytics.
- Involvements:** VP Outreach and Relations of Rady Product Management Club, Former Team Chinese Taipei Figure Skater