

Andy Chen (Lu An Chen)

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Profile

Data Science M.S. candidate at California State University, Chico with experience in data analytics, statistical modeling, and machine learning. Proficient in Python, SQL, R, and Excel with a strong foundation in data visualization and predictive analytics.

Experience

Triple S Metals, Inc. | Business Analyst Intern

Livermore, CA

June 2024 - August 2024

- Analyzed 1,000+ inventory and sales records using Excel to identify operational trends, improve data quality, and support business decision-making.
- Developed weekly reports and dashboards tracking 10+ business metrics, collaborating with cross-functional teams to improve reporting efficiency.
- Validated 2,000+ business records to improve reporting accuracy, reduce manual errors, and ensure data consistency across business operations.

Projects

U.S. Housing Market & Macroeconomic Analysis

Python | R | Pandas | dplyr | ggplot2 | FRED-QD | Panel Regression | Time Series Analysis

- Built a panel dataset by integrating 10+ macroeconomic indicators from FRED-QD with FHFA housing price data across seven U.S. states for predictive and statistical analysis.
- Developed regression, panel regression, VAR, Ridge, and LASSO models to analyze macroeconomic impacts on housing markets and identify regional economic patterns.

Financial Market & Cryptocurrency Analysis

Python | R | Pandas | NumPy | yfinance | ggplot2 | Correlation Analysis

- Collected and analyzed historical stock market and cryptocurrency data using Python, Pandas, and statistical methods to evaluate market trends, sector rotation, and asset correlations.
- Applied EDA, correlation analysis, and data visualization to identify investment patterns.

Skills

Programming: Python, SQL, R

Analytics: Data Analysis, Statistical Modeling, Machine Learning, Predictive Analytics, Data Visualization

Education

California State University, Chico

Master of Science, Data Science and Analytics

Chico, CA

Expected in May 2027

California State University, Long Beach

Bachelor of Science, Applied Statistics

Long Beach, CA

May 2025