XINYAN "CIRA" YIN

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EDUCATION

University of Southern California, Marshall School of Business – Los Angeles, CA   **December 2025**
Master of Science in Business Analytics (STEM)
- Statistical Computing and Data Visualization, Advanced SQL, Effective Decisions by Python, Deep learning

Capital University of Economics and Business – Beijing, China   **June 2021**
Bachelor of Economics in Finance, 3.85/4

RELEVANT EXPERIENCE

PwC – Beijing, China   **September 2021 – March 2024**
Audit & Assurance - Senior Associate
- Led a team for a group listed company client, overseeing large datasets in consolidation using Excel VBA and pivot tables to resolve data discrepancies and assure accuracy. Achieved top performance rating as a senior in charge
- Collaborated on developing financial valuation models and designing automated generation of audit reports with valuation and RA teams to assure accurate data-backed findings and revamp work efficiency
- Provided financial consultation on complex equity investment consolidation, ABS, factoring, cooperating with brokerage and legal firms to assist clients in issuing corporate bond issuance worth 90+ billion RMB
- Managed 10+ clients across multiple industries, utilizing financial analysis to identify process issues and make business recommendations reporting solutions for client to improve internal control operational efficiency

Tesla Motor – Beijing, China   **November 2020 – March 2021**
Finance - APAC Payroll Intern
- Created a customized Excel-based framework by preprocessing with SQL of tracking status of T&E can minimize manual data input, reducing human errors and increasing workflow efficiency by 20%
- Publicly hosted and presented online training sessions and designed a webpage to embed instructional videos for new employee, optimizing onboarding operations process for over 100 new hires each quarter
- Achieved 100% accuracy in tax adjustments and payroll accounting using SAP Concur and Excel

Volvo (China) Investment Co., Ltd – Beijing, China   **July 2020 – October 2020**
Commercial Data Analytics Intern
- Developed an automated model for quarterly KPIs calculation across departments and visualized sales segmentation with Tableau, reducing processing time by 20% for regional performance assessments
- Utilized data tracking models to ensure 100% compliance in contract monitoring and vendor management, ensuring timely execution of subcontractor agreements and improve relationship
- Researched on truck industry and applied PEST and SWOT data frameworks, delivering strategic and business insights for sales and operational decisions in truck industry

PROJECTS

Purdue Data Analytics Competition – Los Angeles, CA   **October 2024**
- Developed sentiment analysis models using semantic similarity techniques to assess semantic similarity across text data
- Utilized LLM and logistic regression models for predictive analysis, generating predictions and ensured robust data processing pipelines to boost machine learning workflows
- Conducted data transformation, imputation, and error handling to maintain consistent feature sets, leveraging Python libraries like scikit-learn and pandas

American Mathematical Contest in Modeling – Honorable Mention   **April 2020**
- Leveraged sentiment analysis and LDA model to extract information from textual reviews with quantitative analysis of e-commerce strategy using Python queries, leading to improved decision-making and strategic planning.
- Designed comments-and-ratings-based measures to evaluate products, and optimized recommendation strategies based on collaborative filtering model to enhance product desirability through data analysis

Market Research Competition – Provincial First Prize   **December 2019**
- Led market data collection, data modeling, data warehousing about pre-made meals purchases and deploy analytical tools SQL assess feasibility of smart retail strategies
- Visualized statistical analysis through Python and Tableau to identify characteristics of potential consumers and highlighted key driven factors, leading to 8% increase in user conversion rates

SKILLS & INTERESTS
- Programming: Python, SQL, C, R, Stata, SPSS; Data Visualization: Tableau, Power BI
- Language: Mandarin (Native), German (Limited working proficiency)
- Certificates: Microsoft Azure AI Fundamental, ACCA (10/13 passed), CICPA (2/6 passed)