

HERUN KAN (HE/HIM)

herunkan.work@gmail.com 908-499-6898 <https://www.linkedin.com/in/herun-kan-92b358224/>

EDUCATION

University of Southern California	August 2024 - May 2026
Master of Science in Applied Data Science	GPA 3.70
Courses: Machine Learning for Data Science, Foundations for Data Management, Data Visualization	
Rutgers, The State University of New Jersey	August 2020 - May 2024
Bachelor of Arts in Information Technology & Informatics, Minor in Business Administration	GPA 3.74

TECHNICAL SKILLS

Data Analysis Tools: Tableau, Power BI, Matplotlib, seaborn, GGPlot2, d3.js, Hadoop, Spark, AWS EC2

Machine Learning: TensorFlow, scikit-learn, PyTorch, Prediction models, Neural Networks

Programming Languages: Python (Pandas, Numpy), R, SQL (MySQL, NoSQL)

PROFESSIONAL EXPERIENCES

General Motors (GMIO and China HQ & Ctr for Advanced Research and Science)	Shanghai China
<i>Data Analyst Intern, Aftermarket Product Center</i>	June - August 2024
<ul style="list-style-type: none">Supported the Aftermarket Product Center by analyzing automotive parts data to provide market investment suggestions for 3rd-party manufacturers.Helped to design an online showroom to display interactive visualizations of aftermarket parts, enabling data-driven decision-making for stakeholders.Built a data pipeline using MySQL and Python (Pandas) to extract, clean, and transform data from TecDoc and OEM EPC systems, ensuring compliance with TecDoc standards, then load to Access Database.Created Power BI dashboards to visualize cross-referenced part numbers and vehicle application data.Achieved over 90% accuracy in mapping parts across regions, enabling actionable market insights for 3rd-party manufacturers to identify high-potential aftermarket products.	
Ernst & Young Hua Ming LLP	Shanghai China
<i>Data Analyst Intern, Human Resources Analytics</i>	June - August 2023
<ul style="list-style-type: none">Used analytics to improve HR's employee engagement, workforce planning, and internal decision-making.Led a comprehensive data analysis project focused on evaluating employee welfare and experience survey responses to uncover trends, pain points, and department-specific factors that significantly influenced retention rates, job satisfaction, and overall workforce engagement.Utilized Python (Pandas, Numpy) for data cleaning, exploratory analysis, and segmentation of survey responses.Built Power BI dashboards to visualize trends and ran A/B tests on different engagement strategies, measuring key performance metrics including satisfaction score deltas and participation rates.Insights from the analysis guided leadership to implement targeted policy changes, resulting in increased engagement scores among tested groups and improvements in onboarding satisfaction metrics.	

PROJECT EXPERIENCE

Data Dashboard ---" U.S. Obesity and Health Indicators Dashboard"	Spring 2025
<ul style="list-style-type: none">Collaborated on a team project to build an interactive web dashboard analyzing the intersection of healthcare, food access, and education across U.S. states; managed code collaboratively using Git for version control and workflow.Retrieved and processed GeoJSON and tabular datasets using external APIs and Python for data cleaning, transformation, and integration.Visualized geospatial and statistical data through interactive maps and charts using React and D3.js for intuitive user exploration.	
ChatDB ---"An interactive application for learning and executing SQL and NoSQL queries"	Fall 2024
<ul style="list-style-type: none">Developed an interactive ChatGPT-like application that allows user to explore database, obtain sample queries, and ask questions in natural language.Built a data pipeline using Hadoop to transform and load large-scale datasets onto SQL server.Implemented features for data ingestion, schema exploration, and query generation by pattern using pandas, mysql/mongo, and re.Constructed natural language processing that convert user inputs into executable queries using nltk.	