Nick Kang

hkang72@wisc.edu | (732–762–6209) | https://honggekang.github.io

EDUCATION

University of Wisconsin-Madison   **Madison, WI**
Master of Science in Economics   *Expected Graduation: Spring 2022*
Relevant Coursework: Data Analytics, Data Programming, Machine Learning, Econometrics, Economic Forecasting

University of Wisconsin-Madison   **Madison, WI**
Bachelor of Science in Economics with a Mathematical Emphasis   *Spring 2020*
Relevant Coursework: GIS Analysis & Big Data, Business Analytics, Behavioral Economics

RESEARCH & PROJECT EXPERIENCE

University of Wisconsin-Madison   **Madison, WI**
COVID-19 impact on U.S restaurant industry recovery in 2021   *Oct – Dec 2021*
- Utilized pandas to clean, manipulate, combine and analyze 6 various datasets to assess U.S restaurant industry recovery with the impact of COVID-19
- Used matplotlib to identify crucial trends of restaurant industry recovery in 2021 with multiple visuals
- Observed relationship between mask order, COVID-19, vaccination and restaurant industry recovery

U.S Airline merger prediction model   *Oct – Dec 2021*
- Analyzed the effects of the merger between American Airlines and US Airways and predicted the price effect of the theoretical merger using machine learning practices in R
- Built random forest model and lasso model to compare with the least mean squared error that performed the best for predicting the price
- Collaborated with a team of five members to optimize efforts and collectively wrote a final report

Store sales performance analysis   *Oct – Dec 2020*
- Inspected and cleaned data using Tableau Prep and reorganized the dataset into 17 different sales related fields to analyze sales performance with over 40000 data entries
- Constructed multiple visualizations in Tableau to illustrate trends and patterns of various economic values with store sales performance

"Are Ridesharing Services Replacing or Complementing Public Transportation in Chicago"   *Oct – Dec 2019*
- Manipulated and analyzed a ridesharing dataset with over 20 million data entries using Python & QGIS
- Effectively worked in a team of four to allocate research and coding tasks
- Presented a fitted model to predict the complementary effect between public and ridesharing service in front of a class over 100 people

"The study of factors for College Completion Rate"   *Nov – Dec 2018*
- Inspected panel data, examined and identified the correlation between different variables using Python
- Conducted a fitted ordinary least squares model and compared data results for variable significance

PROFESSIONAL EXPERIENCE

Contek Industrial Diamond Co.   **Hainan, China**
Intern, Quality Testing Department   *June – Aug 2018*
- Recorded and organized over 20 reports and maintained testing report database daily
- Identified problems based on the testing report and decreased the rate of product failure

Contek Industrial Diamond Co.   **Hainan, China**
Administrative Team Intern   *June – July 2015*
- Collaborated with a team of 2 people to prepare office supplies and explored the best option within budget
- Designed and improved the lab layout for efficiency by ordering lab equipment of over $3000

LEADERSHIP & COMMUNITY INVOLVEMENT

Intramural Basketball Team   **Madison, WI**
Team Captain   *Sept 2015– Present*
- Successfully recruited over 20 new players to maintain a strong level of competitiveness for the team

Chinese Students and Scholars Association (CSSA)   **Madison, WI**
Event Coordinator   *Oct 2014 – Oct 2015*
- Effectively organized two outings for over 50 students with detailed activities and collaborated across a team of 20 people to develop various event plans every week

SKILLS

- Software: Python(Pandas, Matplotlib, Seaborn), SQL(MySQL), Tableau Desktop, Tableau Prep, R, Excel, Stata, MATLAB
- Languages: Chinese(native), English(fluent)