

# Jinbo Li

Tel: 202-725-9253 Email: [jinboli919@gmail.com](mailto:jinboli919@gmail.com)

## EDUCATION BACKGROUND

### The George Washington University

Washington DC, USA

Master of Science in Data Science

May 2023 (expected)

*Relevant Coursework:* Data Warehousing, Database Management Using Python, Machine Learning, Algorithm Design

### Xi'an Jiaotong University/ Hokkaido University

Xi'an, China/ Sapporo, Japan

Bachelor of Arts in Japanese

September 2016 - June 2021

## TECHNICAL SKILLS

**Programming Languages:** Python (Advanced), SQL (Advanced), R (Competent), HTML (Competent)

**Tools:** Excel, Tableau, ArcGIS, AWS, Pandas, Numpy, Sklearn, Stats Model, Keras, Regression

**Machine Learning & Applications:** Data Preprocessing, Supervised & Unsupervised Learning, Deep Learning

**Language Fluency:** English (Advanced), Japanese (Advanced), Chinese (Native)

## PROJECT EXPERIENCE

### Movie Recommendation System | Python

September 2022 – December 2022

- Designed a movie recommendation system and built an interactive dashboard for personalized recommendations by implementing collaborative filtering, matrix factorization and machine learning algorithms.

### Cell Classification | Python

February 2022 – May 2022

- Developed Convolutional Neural Network (CNN) architectures with customized and pre-trained models (Resnet-50 and Resnet-152) on AWS to detect the presence of cells as well as classify the cell type to predict likelihood of disease, and achieved 95% recognition accuracy.

### Airline Passenger Satisfaction Analysis | Python, SQL

October 2021 – December 2021

- Collected and extracted multiple years Airline Passenger Satisfaction survey data from txt, Excel, URL and SQL databases (over 100k records), created data quality test plans with a subset database, tested SQL scripts with different triggers, visualized and validated survey data with classification models such as k-nearest neighbor, and Naive Bayes, troubleshooted data outliers, provided team data quality improvement advice, independently researched the best accepted methodology for data quality improvement practices and proposed team for recommendations to identify key factors that influence loyalty helping airlines make data-driven decisions to improve the customer experience.

## WORK EXPERIENCE

### George Washington University - Department of Data Science

Washington, DC

Graduate Assistant (Part Time)

Jan 2023 – Present

- Effectively communicate and coordinate with the professor (Graduate-level Course: Visualization of Complex Data - Tableau) to assist in daily lesson plans, course contents, grade homework, provide feedbacks/technical support in a timely manner resulting in a high level of student satisfaction rate at the end of class survey.

### Rail Star International Technology & Consultants Limited

Beijing, China

Marketing Department (Part Time)

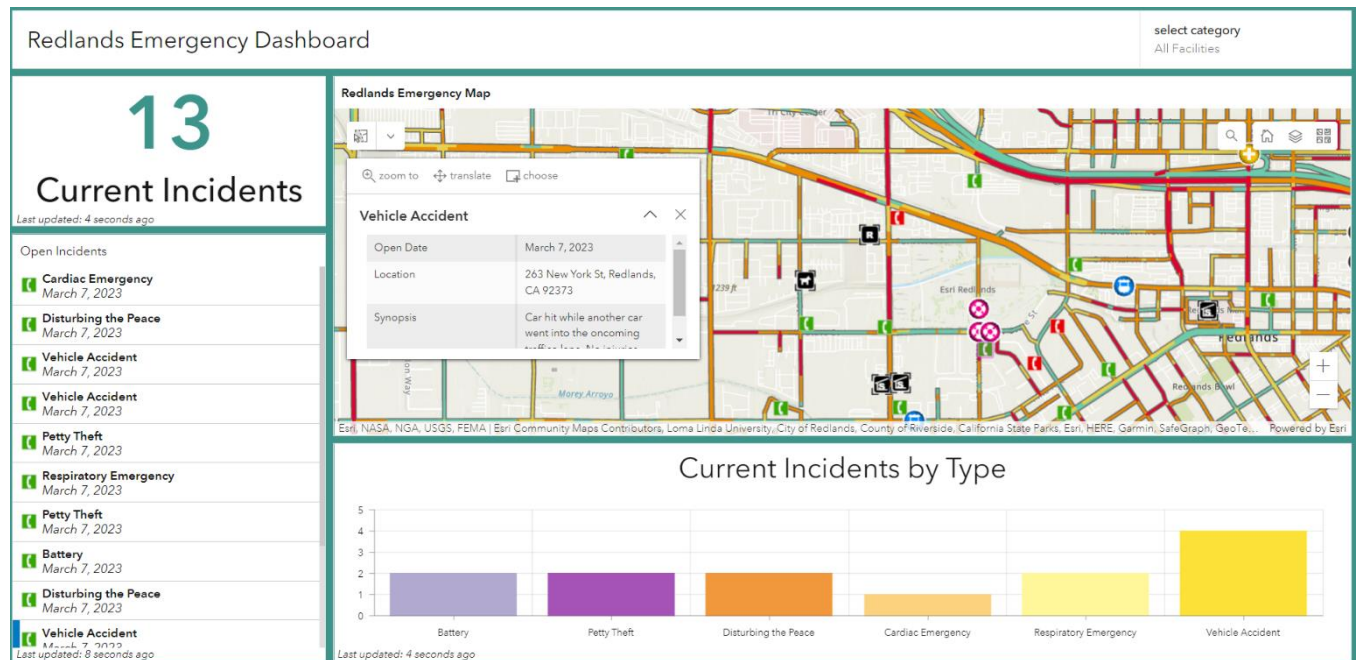
June 2020 – July 2021

- Served as the data administrator and SME for different data platforms (Tableau, MySQL) to provide organizational level data support to different offices including workflow automation designing, data transformation and data structures redesign. Established testing, implementation, and post-implementation support procedures using skill in Python, R and MySQL, live data connection, database structure set up and data visualization - Tableau dashboard designing.

## VOLUNTEER EXPERIENCE

- Web designer and chief developer for the Chiao-Tung University Alumni Association in America Official Website. ([link](#))

## ArcGIS Work Example (Build an Emergency Incidents Report Dashboard):



### SQL Example (Build a Hospital Management System):

