

Junfan Chen

Syracuse, NY

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Work Experience

Research Assistant

Building Envelope Systems Test (BEST) Laboratory - Syracuse, NY

May 2021 to August 2021

Cleaned, analyzed, and ran the analysis on customer's electricity consumption ($n = 130,000,000$), generating loading profiles for each customer in Python.

Retrieved data from the station in the service area, exploring extreme weather affect on electricity usage.

Processed time series clustering analysis, analyzing the pattern for each cluster.

Summarized customers' profiles, generated the plots and drafted into technical reports, offering strategies to optimize the price plan based on electricity consumption in each household.

Office Assistant

Institute of Animal Health, Guangdong Academy of Agricultural Sciences - Guangzhou, CN

April 2019 to July 2019

Responsible for assisting in the management of data in the institute and following up the project declaration in the institute.

Data Analysis Engineer

Guangdong KINGPOINT Data & Technology Co., Ltd - Guangzhou, CN

June 2018 to July 2018

Analyzed the human traffic in a specific area based on the data from the base stations, developing a red line for early warning the maximum traffic to help street management.

Analyzed error code data (such as 404) over 40 days, designing an error warning scheme for the company.

Designed a python program to collect all the data of bus routes and stations in a city, assisting our team.

Education

M.S. in Computer Science

Syracuse University - Syracuse, NY

August 2021 to Present

Master of Science in Business Analytics

Syracuse University, Whitman School of Management - Syracuse, NY

August 2019 to May 2021

Bachelor of Science in Information and Computing Science

Guangdong University of Finance & Economics - Guangzhou, CN

September 2014 to June 2018

Skills

- Python
- R
- SQL
- JavaScript
- C
- Java
- MS Office
- SQL Server
- MySQL
- Google Analytics/Ads
- Tableau
- Power BI
- Matlab
- Lingo
- Database Design and Management
- Spark
- PyTorch
- Tensorflow
- Data Visualization
- Data Warehouse
- Analytics
- Git
- TypeScript

Links

<https://www.linkedin.com/in/junfan-chen/>