LIN MEI

DATA SCIENTIST/ENGINEER

- ✉ linmei99@gmail.com
- ☎ 331-262-7576
- 📍 Aurora, IL 60504
- in linmei99/
- ⚙ linmei99

Skills

PYTHON

Pandas
Numpy
Scikit-learn
NLTK
statsmodels
xgb
streamlit
Flask

MACHINE LEARNING

Natural Language Processing
Generalized Linear Model
Gradient Boosting
Random Forest
ExtraTree

DATABASE

MySQL
MongoDB
SQLite

VISUALIZATION

MatPlotLib
Seaborn
geopanda

CLOUD

PySpark
Google colab

COMPUTER LANGUAGE

C++
C
Matlab
Octave
Java

OTHERS

Git
Agile
LINUX

Experience

Metis
Data Scientist

Chicago , IL
June 2021 to Aug. 2021

Completed a licensed 10-week full-time data science bootcamp focused on Python, data analysis, statistics, supervised and unsupervised machine learning algorithms, natural language processing, and data engineering. The program is centered around building and presenting personal projects from top to bottom with guidance from senior data scientists. Highlighted projects include:

Distinct Review Finder

- Condensed user reviews on products to a set of distinct reviews with minimum content overlap.
- Processed 100k+ Amazon user reviews on 10k+ different brand and models of major appliance.
- Extracted essential topics with SpaCy, NMF and other NLP techniques.
- Achieved up to 95% reduction in number of reviews, from raw reviews to distinct reviews.

Chicago Small Business Competition Browser

- Developed a Steamlit based web app to visualize the location and characteristics of existing competitors for a given small business type.
- Extracted historical and current competitive business info from city of Chicago small business license info.
- Processed and Managed 100,000+ licenses information using MongoDB.

User Activity Classifier Using Smart Device Sensors

- Created an activity classifier to identify 18 different possible user activities, based on sensor readings from smart phones and smart watches.
- Combined and transformed 3 Million+ measurements from 4 different sensor sources.
- Utilized XGB, Random Forest and ExtraTree to compare the performance under the same data set, and established the minimum data requirement for classifying different activities.

Nokia
Senior Software engineer

Naperville, IL
July 2010 to July 2018

- Developed 0-fault client/server software on a real-time embedded LINUX system using custom Intel chipset.
- Analyzed and resolved software faults found after deployment, and present solutions to customer teams.
- Implemented firmware library to support different hardware variants.
- Designed and developed robust and fault-tolerant algorithms and procedures for known high-risk and error-prone area of software.
- Developed knowledge-transfer workshop for oversea branches.
- Evaluated existing work flow process and coding standards, and proposed process improvements for automated testing and verification tools.

Parkland Asset Management
Risk Manager

Apr. 2008 to 2010

- Developed and implemented risk guideline and tolerance for option trading accounts.
- Analyzed and performed control risk exposure of daily trading asset.

Education

Polytechnic University, Brooklyn NY
MS Electrical Engineering 2000