



# KIRA LIANG

## DATA SCIENTIST



Amsterdam



kiraliang1004@hotmail.com



+31620723404



/kira-liang-2a4a13139

## PROFILE

I am a self-motivated data scientist with business and natural language processing background. 2 years experiences in interpreting and analyzing data and good knowledge in programming.

I am seeking for a full time job as data scientist/analyst in an organization where I can demonstrate my analytics skills and use my abilities for the growth of the organization along with my personal growth.

## SKILLS

PYTHON



HADOOP



SQL



AWS



R



JAVA



## EXPERIENCE

### NLP INTERN

#### Elsevier (2019/4 - 2019/6)

- Developed deep learning model that utilized text features to correctly classify multi-labeled scientific articles
- Outperformed the baseline model at 39% with respect to accuracy

### DATA ANALYST

#### Digiwin Software Co., Ltd. (2018/4 - 2018/8)

- Developed insightful metrics, dashboards, reports and insights for the executive team
  - Prediction of retirement: Quantified retirement reasons, reduced employee turnover rate by 12% and reduced business operation cost by 22%
  - Product sales forecast: Gauged product demand and increased inventory turnover rate by 15%

### DATA SCIENTIST

#### ProphetStor Data Services, Inc. (2017/4 - 2018/3)

- Developed conversational flows for chatbots
- Created data pipelining to using the chat conversations to train the AI Bot
- Acquire data from primary or secondary data sources and maintain databases/data systems

## EDUCATION

### MSC INFORMATION STUDIES: DATA SCIENCE TRACK

#### **University of Amsterdam (2018 - 2019)**

- Machine learning, Statistics, Simulation, and Optimization, Data Mining Technics, Information retrieval

### DATA ENGINEERING AND DATA ANALYTICS PROGRAM

#### **Institute for Information Industry (2016 - 2017)**

- Data Mining and Analytics Technics, Programming (Python, R, JAVA), Big Data (AWS, Hadoop Spark, SQL),

### INTERNATIONAL BUSINESS

#### **National ChengChi University (2012 - 2016)**

- Statistics, econometrics , marketing, Micro/macro economics, Financial Management

## PROJECTS

### AUTOMATIC LARGE-SCALE AUDIO ANALYSIS IN US PODCASTS

#### **UvA (2019/3)**

- Create a big data architecture to process podcasts data and analyze the gender balance

### JOB SEARCH ENGINE

#### **UvA (2019/2 )**

- Creating a job searching engine using information retrieval techniques.

### USER SATISFACTION PREDICTION IN CHATBOT

#### **UvA & ING (2018/12 - 2019/2 )**

- This project investigates ways to predict user satisfaction, based on the textual conversations of chatbots.

### IDENTIFYING DUPLICATE QUESTION PAIRS FOR QUORA

#### **Kaggle in-class challenge, awarded 2nd place (2018/12 )**

- With feature engineering skill, we generated 30 features from each question pairs and implemented on different machine learning algorithms to classify whether it has the same intent or not.

### SENTIMENT ANALYSIS OF 2016 US ELECTION

#### **UvA (2018/9 - 2018/10 )**

- Using sentiment analysis, topic modeling and network analysis on Twitter data to predict the results of 2016 Presidential Elections.

### THEFT CRIME PREDICTION BASED ON SPATIAL AND TEMPORAL CRIME HOTSPOTS

#### **Institute for Information Industry (2017/5 - 2017/7)**

- This project aims to find the spatial and temporal theft hotspots in Taipei city by analyzing real-world theft datasets through a statistical analysis and the utility of hotspot mapping.