

Justin Liu

LOOKING FOR DATA ANALYST • JUNIOR DATA SCIENTIST

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"Maybe not the smartest, but be the most diligent one."

Summary

Self-taught Data Scientist through online learning platforms mainly. Not only course certificates but also real world projects applied data wrangling, machine learning and neural network techniques in R or Python. Always interested in telling story with elegant pictures and learning new technologies.

Education & Courses

EDUCATION

National Chung Hsing University

Taichung, Taiwan

M.S. IN TECHNOLOGY MANAGEMENT, GPA: 4.12/ 4.3

Sep. 2017 - Jun. 2019

- Theme of Dissertation: Identifying Emerging Trends of Blockchain Technology Using a Topic-based Patent Mining Model (ICIM 30th Nice paper award)

National Sun Yat-sen University

Koahsiung, Taiwan

B.S. IN SOCIOLOGY WITH A MINOR IN BUSINESS ADMINISTRATION

Sep. 2013 - Jul. 2017

ONLINE COURSES

Nov. 2019 SQL Fundamentals

DataCamp

Nov. 2019 Tensorflow in Practice Specialization in deeplearning.ai

Coursera

Jul. 2019 Deep Learning Specialization in deeplearning.ai

Coursera

Jul. 2019 Machine Learning in Stanford Online

Coursera

Jan. 2019 Data Scientist with Python

DataCamp

Dec. 2018 Data Scientist with R

DataCamp

Internship Experience

Cathay Securities Corp.

Taipei, Taiwan

DATA ANALYST INTERN - DIGITAL MANAGEMENT DEPARTMENT

Jul. 2018 - Aug. 2018

- Summarized daily news including FinTech, AI, and Blockchain topics.
- Analyzed the current trends in securities trading market such as credit score, robo-advisor, etc.
- Integrated open data into customer identity information to calculate the credit limit and further established dashboard to visualize the result through Tableau.

Starter Tech.

Taipei, Taiwan/ Remote

BLOCKCHAIN CONTENT INTERN - POCKET COIN

Feb. 2018 - Aug. 2018

- Translated crucial news, novelty applications and Blockchain fundamental concepts in plain text.
- Introduced top 100 market value cryptocurrencies about their purpose and technical strategies.
- Developed the quantitative strategies using technical metrics and applied them to trade cryptocurrencies during the competition against the others interns.

China Merchants Bank

Guangzhou, China

INTERN - INTERNATIONAL BUSINESS DEPARTMENT

Jul. 2017 - Aug. 2017

- Classified the incoming telegram, and sent to the responsible person.
- Verified the document of L/C, including invoices, bill of lading, insurance forms, etc and further investigated the route of ship to avoid money laundering.

Projects

SPIL Fault Detection Model

TEAM MEMBER

- Researched on recent studies discussing the related problems about anomaly detection.
- Modified the structure of related works in order to fit our dataset and generate the proper results.
- Implemented RNN-based time series fault detection model and calculated anomaly score by the difference between predict and actual value.

DataCamp Project

PERSONAL PROJECT

- 70+ mini-project using real world data to practice essential data scientist skills in R, Python or SQL.

Jusliu.com

PERSONAL WEBSITE

- Hosted on Github, served through Netlify and wrote blog posts via R

Competitions

2017 Service Design Competition

3rd place

TEAM LEADER

Oct. 2017 - Dec. 2017

- Conducted the field research to interview with users in order to capture the users' demands.
- Utilized design thinking methodology to rethink the service process and adopted several brainstorming techniques to come up with innovative ideas.

2018 Johnson & Johnson x Listerine Business Competition - Bring Out the Bold

Finalist (5 out of 200)

TEAM LEADER

Dec. 2017 - May 2018

- Joined Listerine marketing campaign in Carrefour and observed customer behavior during trail to catch the customer insight.
- Designed and conducted a customer questionnaire survey and afterward applied simple logistic regression to identify which type of customer tending to purchase mouthwash and vice versa.
- Redesigned the marketing campaign with limited budget attracting more children to give it a shot and increasing the penetration rate of Listerine in the long run.

Financial Elite Camp for Youth

2nd place

TEAM LEADER

Feb. 2018

- Proposed an investment portfolio within 18 hours to generate sufficient cash flow and matching family's wishes such as purchasing a new car at the same time.

Additional

Programming	R, Python, SQL, Git
Visualization	Tableau, Gephi(social network)
Report	Markdown, Google Colab, Jupyter notebook, Latex
Languages	Fluent in English, TOEIC: 975(L:480, R:495)
Interests	Reading, Workout, Playing Basketball