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Apt 614, 6315 Forbes Ave, PA 15217

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Master of Information Systems Management, Business Intelligence and Data Analytics. GPA 3.93 Aug. 2021 – Dec. 2022

Relevant Courses: Deep Learning, Computer Vision, Data Structures for Application Programmers, Object Oriented Programming in Java, Unstructured Data Analytics (NLP), Machine Learning for Problem Solving

Xiamen University Xiamen

Bachelor of Economics, Finance. GPA 3.81

Sept. 2016 – Jun. 2020

Relevant Courses: Mathematical Analysis, Statistics, Probability Theory, Linear Algebra, Econometrics

University of California, Berkelev Berkeley, CA Semester Exchange, Statistics, Computer Science, Business. GPA 3.95

Jan. 2019 - May 2019 Nanyang Technological University Singapore

Summer Exchange, Digital Marketing. GPA 5.0

Jun. 2018 – Jul. 2018

PROFESSIONAL EXPERIENCE

PPG Industries

Pittsburgh, PA

AI/ML Intern, AI/ML Center of Excellence

May 2022 – Aug. 2022

- Constructed time-series forecasting models like ARIMA, Exponential Smoothing, and Prophet to predict finished goods demand for inventory optimization, outperforming the status quo forecasts by 17 ppts in accuracy
- Boosted productivity by developing Auto-Forecaster that takes any time series, experiments it with over 10 forecasting algorithms, compares forecast accuracies, and recommends the best model

Tencent Shanghai

Data Scientist Intern. Public Data Science Department

Apr. 2021 – Jul. 2021

- Conducted causal inference with algorithms like Causal Bayesian Networks, X-Learner, and Causal Forest to analyze treatment effects of key drivers for customer consumption time on Tencent's streaming platforms
- Implemented experiments on user experience with Tencent WeSee, TikTok, and Kuaishou
- Deployed the causal inference pipeline, including modules like feature engineering, machine-learning model training, and future interventions based on analytical insights

DiDi Chuxing Beijing

Data Analyst Intern, Decision Support Department

Sept. 2020 - Nov. 2020

- Supported business and strategy decisions by extracting and analyzing billions of data points on Apache Hive
- Designed a market sizing model with SOL and Excel, correctly predicting driver and order growth rates during holidays and alleviating traffic burdens in 14 Chinese metropolitan areas
- Created and monitored business dashboards that can update data and visualize analytical results weekly

Bairong Technology Shenzhen

Data Scientist Intern, Financial Technology Department

May 2020 – Aug. 2020

- Built a semi-supervised learning model using the MixMatch algorithm with PyTorch to classify customers into different groups based on credit default risk predictions, achieving 90% accuracy
- Developed an automated report generation program to calculate performance indicators, graph statistical distributions, produce analytical summaries, and create formatted slideshows

PROJECTS

Unsupervised Speech Recognition (GANs)

Augmented Reality with Planar Homographies

Apr. 2022

Feb. 2022

Feb. 2022

Implemented unsupervised speech-to-text transformation with the wave2vec U algorithm, enabling speech recognition for low-resource languages without sufficient training labels

Lucas-Kanade Tracking Mar. 2022

Developed real-time automated object tracking applications for both template matching and motion detection

3D Object Reconstruction Based on 2D Images Mar. 2022

Reconstructed 3D objects from stereoscopic image pairs using triangulation and the eight-point algorithm

Facial Recognition (CNNs)

Built a face recognition system that achieved 82% accuracy on classification and 0.96 AUC on verification

Conducted real-time image and video AR projections through interest point matching and homography estimation

TECHNICAL SKILLS