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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

Aug. 2021 – Ongoing

• 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

• University of California, Berkeley

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 – Ongoing

• Build time-series forecasting models including ARIMA and NeuralProphet on Azure Machine Learning to predict finished goods demand and thus optimize PPG's supply-chain inventory management

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
- Constructed a data pipeline for automated causal inference, 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 SQL 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 automatically update data and visualize analytical results

Bairong Technology

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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)

Apr. 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)

Feb. 2022

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

Augmented Reality with Planar Homographies

Feb. 2022

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

TECHNICAL SKILLS

Programming/Software: Python (PyTorch, Google Colab, Azure ML), Java, SQL (Apache Hive), R, Stata, HTML **Languages:** Mandarin Chinese (native), English (fluent, TOEFL 116 with Speaking 30), Korean (beginner)