

Lee Chun Ming

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ABOUT

Experienced data scientist with track record in delivering NLP solutions

EDUCATION

LONDON BUSINESS SCHOOL

MBA
2016 | London, UK

CARNEGIE MELLON UNIVERSITY

MASTER OF INFORMATION SYSTEMS MANAGEMENT
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
2008 | Pittsburgh, USA

SKILLS

LANGUAGES

Python • Java

MACHINE LEARNING

PyTorch • TensorFlow •
LightGBM • scikit-learn

ACHIEVEMENTS / CERTIFICATIONS

CFA Institute

Passed all 3 CFA exams

Japan Foundation

JLPT Level 1 certification

Kaggle

Competitions Grandmaster

PADI

Advanced Open Water Diver license

PUBLICATIONS

H2O Open Ecosystem for State-of-the-art Large Language Models,
Conference on Empirical Methods in Natural Language Processing,
EMNLP 2023

EXPERIENCE

SENIOR PRINCIPAL DATA SCIENTIST @ H2O.ai

2021-Present | Singapore

- Supported pioneer client in adopting and leveraging firm's proprietary LLM/RAG platform
- Supported GenAI/LLM, NLP, and Automatic Speech Recognition research and development efforts
- Evangelized the firm's solutions as a member of the Kaggle Grandmaster team

COMPETITIONS GRANDMASTER @ Kaggle

(www.kaggle.com/leecming)

2017-Present

- Placed 1st of 4551 teams in NLP competition to predict "toxicity" of online comments, leveraging an ensemble of RNN models trained using train/test-time augmentation and pseudo-labelling
- Placed 2nd of 2058 teams in NLP competition to perform instance segmentation on student essays, using an ensemble of Transformer models designed to handle long-form texts

PRINCIPAL DATA SCIENTIST @ Amaris AI

2018-2019 | Singapore

- Led team of nine data scientists on six-month data science consulting project with a major financial institution, delivering technical solutions including analytics dashboards and from-scratch deep learning models
- Built an RNN classifier to replace an organization's existing manual back-office process resulting in an elimination of four man-months of annual work

ASSOCIATE @ McKinsey & Company

2016 | Singapore

- Led data analytics project for Thai insurer, building a collaboration platform with their Singapore innovation lab to generate and distribute sales leads for 2000+ Thai sales agents
- Built quantitative five-year online sales forecast model for Shanghai HQ of global sportswear apparel label

QUANTITATIVE ANALYST @ Achievement Asset Management

2014-2015 | London, UK

- Developed Python/D3.js application that ingested and summarized Bloomberg data related to analyst expectations to support trading around earning announcements

JAPAN BUSINESS ASSOCIATE @ Orbis Investment Management

2012-2014 | Bermuda & Tokyo, Japan

- Built out an internal start-up to develop an online direct-to-retail investment platform for Japanese market

TRADING SYSTEMS DEVELOPER @ Orbis Investment Management

2010-2012 | Bermuda

- Worked at fund's execution trading desk in developing software tools to support traders and portfolio managers

TECHNOLOGY ANALYST @ Barclays Capital

2009-2010 | New York, USA

- Worked on three six-month rotations at the firm's New York Convertible Bonds, Prime Brokerage, and Reference Data development teams