

Wei Chen

Data Scientist / ML Architect / AI Consultant / Manager

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INDUSTRY EXPERIENCE

TSMC, Taiwan

— *Manager*: Nov 2023 - Now

Manage and coach 6 software product teams with 30 members

- Revamp, unify and generalize fab change workflow platform
- Align 3 document system architecture for global operation
- Led AI-based search enhancement in legitimate knowledge base

Meta, UK

— *Tech Lead, Staff SWE - ML*: Oct 2022 - Oct 2023

Led 10 people in product recommendation and layout optimization

- Combine 3 DL recommender models and gain 1% ShopAds GMV

Amazon Web Services, Taiwan

— *Senior Data Scientist*: Mar 2022 - Sep 2022

Worked across teams on Smart Factory Transformation Framework

- Delivered customized ML and data infrastructure to 3 enterprises

— *Data Scientist*: Aug 2019 - Mar 2022

Led data and AI/ML development in the USA, China, and Taiwan

- Led and built 2 AWS global offerings for AI/ML in manufacturing
- Coached 5 enterprises to form ML teams and start ML practices
- Completed 12 projects with >60 million dollars total impact

Change Healthcare, USA

— *Principal Software Engineer*: Sep 2018 - Aug 2019

Led a team of 10 engineers to build the Healthcare Data Lake

- Built a data ingestion framework with 20x fewer compute cost
- Designed and Built the ML-Ops MVP with Spark-ML

Groundhog Technologies Inc., Taiwan, Indonesia

— *Lead Architect*: Oct 2016 - Aug 2018

— *New Product Tech Lead*: June 2015 - Oct 2016

Grew a 15-people team to build a Data Enrichment Platform (DEP) and a Demand Side Platform (DSP) for mobile operators

- Delivered the software to 5 mobile operators in 3 countries
- 2 patents to bridge telecom and digital advertising platform
- Scaled data processing capability from 1 TB to 100 TB per Day

— *R&D Intern*: Mar 2014 - May 2015

- Prototyped the new software product to enrich user insights

ACADEMIC EXPERIENCE

Stanford University, USA - LBCN

— *Research Assistant*: Jan 2015 - May 2015

Modeled Human Brain with Implanted EEG

RIKEN BSI, Japan - Cichocki Lab

— *Scientist*: June 2014 - Sep 2014

Predicted Epilepsy Seizure and Applied EEG Visualization/Sonification

National Taiwan University, TW - BEBI

Medical Informatics Lab, Master of Science

Sep 2012 - May 2014

National Tsing-Hua University, TW - EE

Bachelor of Engineering

Sep 2007 - May 2011

CERTIFICATION

AWS - Machine Learning Specialist

AWS - Data Analytics Specialist

AWS - Solution Architect Associate

AWS - Developer Associate

OTHER EXPERIENCE

8 SCI Machine Learning Papers: [Link](#)

Codingame AI Arena: [381th / 4,091,316](#)

TMU-MIT 2016 Hackathon: 1st

National Taiwan University:

Guest Lecturer 30 Hours+

Institute Student Representative

Open-Source Projects:

Apache Marvin-AI - ASF Committer

Apache Prediction-IO - Contributor

AWS SageMaker-Python-SDK - Contributor

Scala-Machine-Learning - Main Contributor

OpenLive3D - Main Contributor

Frameworks, Tools, and Languages:

AWS, MxNet, TensorFlow, PyTorch, Spark, Hadoop, Kafka, Oak, Node, React, Nginx, Flask, Spring, MySQL, MongoDB, Redis, Neo4J, ELK, APISIX, OpenTelemetry, Matomo, Metabase, Prometheus, Grafana, Docker, K8S, Git, Unity, Python, Scala, Java, JavaScript, TypeScript