

# Wei Chen

Data Scientist / ML Architect / AI Consultant / Tech Manager

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GitHub: <https://github.com/Wei-1>

## INDUSTRY EXPERIENCE

### TSMC, Taiwan

— *Tech Manager*: Nov 2023 - Now

Develop and coach software teams

### Meta, UK

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

Led a team of 10 people in e-Commerce product recommendation and layout optimization

### Amazon Web Services, Taiwan

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

Worked with multiple teams in AWS to develop the Smart Factory Transformation Framework for manufacturing customers

- 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

Led a team of 15 engineers 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

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

- Led, designed, built the MVP, grew the new team to 8 people
- Did several PoCs with 3 mobile operators in 2 countries

— *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: [237th / 2,478,298](#)

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-IQ - 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, Node, React, Nginx, Flask, MySQL, MongoDB, Redis, Neo4J, ELK, Prometheus, Grafana, Docker, K8S, Git, Unity, Python, Scala, JavaScript