

Wei Chen

Data Scientist / ML Engineer / Cloud Architect / AI Consultant

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

INDUSTRY EXPERIENCE

TSMC, Taiwan

- *Tech Manager*: Nov 2023 - Now
- Led internal document system rewrite

Meta, UK

- *Tech Lead, Staff SWE - ML*: Oct 2022 - Oct 2023
- Led e-Commerce product recommendation, 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
- Designed a topology encoding algorithm for users positioning
- Prototyped the new software product based on the algorithm

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