

# Wei Chen

Data Scientist / AI/ML Engineer / Cloud Architect

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## INDUSTRY EXPERIENCE

### Amazon Web Service, Taiwan

— *Data Scientist*: Aug 2019 - NOW

Build AI/ML Solutions for 5 Customers in Greater China Region

- Reduce defect occurrence to 8% in a quality control project
- Increase 10% fulfill-on-time rate in a manufacture scheduling optimization project using reinforcement learning
- Develop ML-Ops platform to reduce the effort of model deployment and maintenance for customers' data science teams

### Change Healthcare, USA

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

Lead, Design, and Build a Dynamic Data Ingestion Pipeline for the Healthcare Data Lake on AWS with Apache Spark

- Achieve 20x fewer computational cost than the original approach with a specialized electronic health record structure for parallelism
- Build ML-Ops MVP with Spark-ML

### Groundhog Technologies Inc., Taiwan, Indonesia

— *Lead Architect*: Oct 2016 - Aug 2018

Lead, Design, and Build a Data Enrichment Platform (DEP) and a Demand Side Platform (DSP) for mobile operator

- Coordinate the team to deliver, deploy, and customize the software for 5 Mobile Operators in 3 Countries
- Design and develop 6 different approaches to map AAID/IDFA to mobile operator users
- Scale DEP data processing capability from 1 TB to 100 TB per Day

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

Develop a new software product to bridge mobile operators and digital advertisement

- Design and Develop the DEP based on Apache Spark
- Design and Develop the 1st version DSP with NodeJS, ReactJS
- Grow the new product technical team from 1 to 8 people

— *Intern*: Mar 2014 - May 2014

Design a topology encoding algorithm based on BIRCH for users positioning data in mobile operators

- Prototype the new software product based on the algorithm

## ACADEMIC EXPERIENCE

### Stanford University, USA - LBCN

— *Research Assistant*: Jan 2015 - May 2015

Model Human Brain with Implanted EEG

### RIKEN BSI, Japan - Cichocki Lab

— *Scientist*: June 2014 - Sep 2014

Predict Epilepsy Seizure and Apply EEG Visualization/Sonification

## EDUCATION

### National Taiwan University - BEBI

Medical Informatics Lab, Master of Science

Sep 2012 - May 2014

### National Tsing-Hua University - EE

Bachelor of Engineering

Sep 2007 - May 2011

## OPEN-SOURCE PROJECT

### Apache Software Foundation

Marvin-AI: Committer

Prediction-IO: Contributor

## CERTIFICATION

AWS - Solution Architect Associate

AWS - Developer Associate

AWS - Machine Learning Specialist

## ACHIEVEMENT

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

Codingame AI Arena: [173th / 2,010,260](#)

TMU-MIT 2016 Hackathon: 1st

### National Taiwan University:

Guest Lecturer 30 Hours+

Institute Student Representative