

# Huan-Cheng Chang

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## EXPERIENCE

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### Facebook Inc.

06/2021 – 09/2021

*Production Engineer Intern*

*London, UK (Remote)*

- Designed and delivered a service that acts as a centralised configuration store in Python
- Set up a deployment pipeline, a test environment, thorough testing, and monitoring for the service
- Enabled the service to handle alerts automatically when certain data is changed
- Extended the existing command-line tool to access the service
- Built a dashboard to display key metrics of the service

### Basis AI

04/2019 – 09/2020

*Software Engineer*

*Singapore*

- Built a platform that orchestrates machine learning jobs and handles MLOps based on Kubernetes in Python
- Delivered an admin system that can manipulate internal data and receive changes in infrastructure
- Improved our CI/CD pipelines with TeamCity and reduced 30% of build time
- Enabled machine learning job pipelining in our platform using Argo Workflow
- Integrated Jupyter Notebook into our platform so that users can run notebooks in their cloud environment without taking care of infrastructure
- Built the user interface of our platform using React.js

### R&D, Shopee Singapore Pte. Ltd.

09/2018 – 04/2019

*Software Engineer – Machine Learning*

*Singapore*

- Built a server that could tolerate high QPS to serve recommendation algorithms
- Built recommendation algorithms using item similarity and user behavior data
- Created machine learning models for feed recommendation using user behavior, post content, etc.
- Deployed recommendation algorithms using MapReduce and Hadoop

### R&D - Windows and Devices Group, Microsoft Corp.

07/2016 – 06/2017

*Software Engineer Intern*

*Taipei, Taiwan*

- Worked on a factory-monitoring IoT solution in cooperation with Nexcom. Built the backend of the system, a Windows App for devices, and a chatbot
- Engaged in development and integration of Premium Surface Pen and related services

## EDUCATION

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### École polytechnique fédérale de Lausanne, Lausanne, Switzerland

09/2020 – 08/2022 (expected)

*Master of Science, Computer Science*

### National Taiwan University, Taipei, Taiwan

09/2013 – 01/2018

*Bachelor of Science, Electrical Engineering*

## SKILLS

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**Programming/Scripting Languages:** Python, JavaScript, Golang, Rust, C++, Scala

**Software Frameworks/Libraries:** Hadoop, ElasticSearch, Pytorch, React.js

**Languages:** Mandarin (native), English (fluent), Taiwanese (elementary)

## SELECTED PROJECT

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### Cofacts: collaborative fact-checking

- Built a collaborative system combining chatbots and fact-check reports, aiming at fighting against fake news in Taiwan

More on my website: <https://changhc.me/>