

# Huan-Cheng Chang

+41-7750-77775 ◇ hello@changhc.me ◇ <https://changhc.me/> ◇ changhc@github

## EDUCATION

---

**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*

## EXPERIENCE

---

**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

## SKILLS

---

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

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

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

## SELECTED PROJECT

---

**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/>