

Huan-Cheng Chang

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EXPERIENCE

Logitech Europe SA

02/2022 – 08/2022

Software Engineer Intern

Lausanne, Switzerland

- Refined and implemented deep learning models for multimodal emotion recognition
- Implemented end-to-end machine learning pipelines with the emotion recognition models
- Built a prototype video editor that integrates the emotion recognition pipelines using PyQt
- Conducted user tests to collect feedback on the prototype for iterations and improvement

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

EDUCATION

École polytechnique fédérale de Lausanne, Lausanne, Switzerland

09/2020 – 08/2022

Master of Science, Computer Science

National Taiwan University, Taipei, Taiwan

09/2013 – 01/2018

Bachelor of Science, Electrical Engineering

SKILLS

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

Software Frameworks/Libraries: Hadoop, Elasticsearch, Pytorch, React.js, PyQt

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

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