

Kai Yuan Cheng

Computer Science, [Natural Central University](#) 2021 - Present



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Research Assistant, [NCU](#), National Central University/CS Nov 2021 - Present

Python, Tesseract, AWS/NLP

- Using Bert model to find some articles about ESG Key issues.
- At the pre-processing stage, we extract the text from PDF about ESG information.

Research Assistant, [CGU](#), Chang Gung University/IM Nov 2020 - Present

Python, Kafka, FHIR, PostgreSQL

- Built distributed message queue with Kafka to collect medical sensor data, and created producer and consumer using python.
- Built FHIR Db management system to store medical data and use HAPI API to implement CRUD.

Python, Opencv, Tesseract

- Find at-risked patients by detecting vascular wall diameter with OpenCV.
- Collecting text on medical images using Tesseract (OCR recognition)

Software Engineer Intern, [Ctbc](#), Feb 2020 - Jun 2020

Cobol, JCL, zOS3270

- JCL is a script language work on IBM mainframe os.
- Integrate various transaction data to generate custom reports using Cobol.

SIDE PROJECTS AND HOBBIES

Computer Vision marathon

- Learn some basic image processing, deep learning knowledge and train a mask prediction model using Yolo.

Stock prediction by Event-Driven Techniques

Python, StanfordCoreNLP

- The correlation between some articles about COVID-19 and the rise and fall of stocks, and explored the impact on the stock market.

Volunteer-match platform

Javascript, Nodejs, ReactNative, MongoDB, Firebase

- With the concept of time banking, creating a service matching platform using ReactNative.
- The platform store volunteer service credit in MongoDB and provide a platform for fundraising with some payment flow API.