HANRU CHEN

New Taipei City, Taiwan

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in HANRU-CHEN ⌂ Hacker-Davinci ▶ Slashie Computer Science Person

EDUCATION

National Chung Cheng University   **09 2020 – present**

*Bachelor of Science in Computer Science and Information Engineering - **GPA - 4.14/4.3*** *Chiayi City, Taiwan*

INTERNSHIP

Academia Sinica   **07 2022 – present**

Computer Vision Lab Intern   *Nangang, Taipei, Taiwan*

- Building **pytorch dataset** on **COCO**, **FSC147** and **CARPK**
- **Reproduced** a **model** from a **WACV** paper by **pytorch**, and released it to **paper with code** ↗

Industrial Technology Research Institute   **01 2022 – 06 2022**

Artificial Intelligence Application Operating System Intern   *Hsinchu, Taiwan*

- Building **Real-Time ETL Pipeline** with **Apache Kafka**, **Confluent Kafka** and **PostgreSQL**
- Experience with container based deployments using **Docker**
- Created **RESTful API**
- Predicted **population time series** data by training **LGBM** and **LSTM** model

LEADERSHIP AND AWARDS

Competitive Programming Experience ↗ | Skills: Data Structure and Algorithms

- **ICPC** 2021 Asia Taipei Regional Site **Bronze Award**
  - Coding competition in Asia Taipei held by NTUB, with **300+ participants**
- **NCPC** 2021 Taiwan Region **Honorable Mention**
  - Coding competition in Taiwan held by NSYSU, with **300+ participants**

TCA Open Data Contest ↗ | Skill: OpenCV

- **Tracked car traffic** in Danhai New Town CCTV video by OpenCV

PROJECTS

Fake News Detection With Bert ↗ | Skills: Tensorflow

- Detected fake news from news title by training a model using **Bert** Model with **88% accuracy**

Deepfake Image Detection Web ↗ | Skills: Tensorflow, Flask and OpenCV

- Detected deepfake images by implementing **MesoNet** model and using pretrained weights
- Tested deepfake images by **web** using **Flask**

Netflix Appetency Prediction ↗ | Skills: Sklearn and XGBoost

- Handled **anonymous data with 500+ features** by data visualization, data processing and data cleaning
- Predicted Netflix customer subscription using **XGBoost** classifier with **70% accuracy**

TECHNICAL SKILLS

Languages: Python, C, C++, JAVA, SQL
Developer Tools: VS Code, Google Colab, and Jupyter Notebook
Technologies/Frameworks: Basic Linux, Spark, Tensorflow, Pytorch, Sklearn, Confluent, Kafka and Docker

EXTRACURRICULAR

Share Coding Learning Experience To Freshman Students ↗ | Skills: Storytelling and Public Speaking

- Shared how to learn coding from zero to hero with **50+ listeners**

Film Day Of Life Of A Computer Science Student Vlog ↗ | Skills: Filming and Video Editting

- Inspired **10000+ audiences** to chase their dream by making youtube videos

SITCON Community Presentation ↗ | Skills: Public Speaking and Storytelling

- Shared my coding experience from zero to hero by attending lightning talk

CERTIFICATIONS

- Learn Apache Kafka for Beginners - Udemy
- Google Data Analysis: Ask Questions to Make Data-Driven Decision - Coursera