

MAI CHI BAO

+84 327 620 475

✉ chibao24.12.1999@gmail.com

🐙 github.com/mrzaizai2k



EDUCATION

2017 – Now **Ho Chi Minh City University of Technology**
Major: Electronics and Telecommunication

WORK EXPERIENCE

8/2020 – 3/2021 **VTNET – Viettel Telecom**

Engineering Intern (Radio Optimization Department)

- Researching on OFDM | Unlicensed IoT | NB – IoT | 5G | 4G.
- Coding using Tableau to update the 4G parameters automatically
- Testing 5G and other technologies like RRU | BBU in BS

PROJECTS

8/2021 **Covid – 19 Classification through Cough sound**

- Python | Kaggle Notebook | Librosa | Pandas | Numpy | Tensorflow | Keras
- Audio features MFCC | Mel Frequency Spectrogram | ZCR | Energy can be analyzed on the time axis and then using CRNN – CTC loss to classify
- Using SMOTE to solve imbalanced data is 2% better than working with original data
- Final AUC \approx 95% with ANN model SMOTE and K – Fold Cross Validation compared to 91% of using raw data

3/2021 **Information Recognition on the University Test Paper**

- Python | GitHub | SciKit Learn | Matplotlib | OpenCV | VS Code
- Image Pre-processing using OpenCV cuts the time it takes to use the EAST technique in half while maintaining the same level of accuracy
- Generate multi – digit numbers from MNIST dataset with the right Data Augmentation methods help increase the performance to 40%
- The combination of CRNN – CTC Loss Model | Attention Layer | Lexicon Search improve the outcome significantly.
- Final accuracy of 97.14% on a class list of 245 students, inference time around 0.9 – 1s/image

Before **Other projects and skills**

- Vietnamese License Plates Recognition | Wall Following Car | LED Controlling through NodeMCU, MIT App
- C++ | MATLAB | Tableau | KNN | MIT App | Arduino | NodeMCU

ACTIVITIES

2/2018 – 6/2020 **Bach Khoa Music Club – Ho Chi Minh City University of Technology**
Club President

- Planning and Organizing BK's Got Talent 2018 | Xem Xém OLD | Lơ show... of more than 100 persons each
- Over 2000 new fan page followers during my time in charge
- Sound setup | Event Host | Video Editor | Vocalist | Fanpage Admin

AWARDS/ ACHIEVEMENTS

2020 910 / 990 (TOEIC)

2019 Outstanding member in Spring Volunteer Campaign