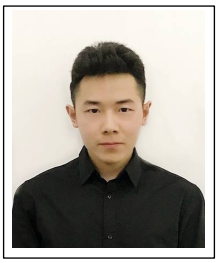

YUSHUO WANG

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EDUCATION

Jilin University (985, 211) Sep.2016 – Sep.2020
Bachelor - Information Engineering GPA: 86.7/100

Nanyang Technological University Jan.2021 – Aug.2022
MSc - Computer Control & Automation
Research Area: **NLP, Image/Text Disentanglement, Continual Learning, Object Segmentation.**

EXPERIENCE

Data Engineer: OCBC Group Data Office, Singapore June.2022 – present

- Developed reconciliation script and finetune NLP model based on Python, conducting text extraction and comparison with multiple data source (word, pdf, excel).

Algorithm Engineer Intern：A*STAR, I2R, Singapore Jun.2021 – June.2022

- Use the output's variances from the Bayesian Neural Network to select the samples that require rehearsal for the model to improve the performance of the model.

Algorithm Engineer Intern：PanoAI, Chengdu, China Sep.2020 - Dec.2020

- Developed the Simply-Drag-N-Drop-Tool for image registration. Used in the project for visualizing and checking the accuracy of the model.
- Participated the GIS Image Registration Competition, ranked top 50th.

Visiting student: UNSW, University of Manchester, Sungkyunkwan University, University of Miami.

PROJECTS

Researcher: Alibaba's Tianchi NER Challenge Top 0.5% May.2021

- Based on pretrained BERT, use CRF for output correction, classify and separate words in address sentences.

Researcher：Image/Text Style Transfer (Disentanglement) , College of William and Mary Apr.2021

- Based on VAE, using mutual information and PCA to calculate and standardize the hidden variable encoding to achieve image/sentence feature disentanglement.

Researcher: SAR and Optical Image Registration using Deep Neural Network Oct.2020

- Designed a RPN framework for detecting the approximate area of the registration.
- Use Siamese Network to locate the accurate coordinate of the registration.

Researcher：2nd Large-scale Video Object Segmentation Challenge, ICCV2019(Participated) Jul.2019

- The accuracy rate reached 69% on the data set released by the 2019 YouTube-VOS Challenge.
- The new algorithm was included in the ICCV2019 YouTube-VOS Challenge and won the ninth place.

Research Assistant：Cybersecurity Workshop, University of Miami Jul.2018 - Sep.2018

- Implement Gradient Descent, BN, Conv2d and other algorithms from basic commands.
- Based on Python, using Keras to build a network for identifying benign/malignant lung nodule tumors, reduce the false positive rate of the network by reasonably adding a normalization layer.

ACTIVITIES

2018 Summer Research Program, University of Miami	Jun.2019
Mathematical Contest in Modelling (MCM)	Dec.2018
International Conference on Computer Vision, Seoul, South Korea	Nov.2019

HONORS/AWARDAS

The Scholarship of Modeling Competition.	Jun.2019
9th Place Award in the 2nd Large-scale Video Object Segmentation Challenge, ICCV 2019	Jul.2019
Individual Scholarship, Excellent Student of the College	Nov.2019
Individual Scholarship, Excellent Student of the College	Mar.2020
Excellent Student of the University from 2019-2020	Mar.2020
Member of MLDA at NTU	Apr.2021
Sub-Committee member at EEE-GSC, NTU	Oct.2021

SKILLS

Programming Language: Python, Java , SQL
Computer Software: Pycharm, Docker

During the undergraduate period, I studied and exchanged in 4 countries, assisted in establishing cooperative projects between colleges and laboratories, I have strong English communication skills and respect all cultures.