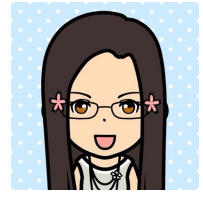


ZHELING TAN

Wuhan University, 430070
tanzheling@foxmail.com



EDUCATION

Wuhan University
4th Year M.Sc, Computer Science
Hongyi Honor College

September 2018 - Present
Professional GPA: 3.91/4

RESEARCH EXPERIENCE

Wuhan University
NIS&P Lab

Wuhan, China
Sep 2019-June 2021

Group led by Prof.Qian Wang

- Studying papers of related areas and constructing neural networks to implement popular techniques such as DeepFakes, Faceswap and Faceshifter.
- Studying to apply the feature extraction theory of Multi-level Attributes Encoder proposed in Faceshifter to Faceswap, a face swapping technique that can be applied to videos.

PROJECT EXPERIENCE

Innovation and Entrepreneurship Training of National Undergraduate
Guardian, Group leader

Apr 2020-Present

- Constructing and training violence detection model. Equipping Raspberry Pi with violence detection models and facial recognition models, which made the functions demonstrable.

Smart Tunnel- tunnel health management system

Feb 2021-June 2021

- React+SpringBoot+MySQL
- Leading the development of back-end, which consist of SpringBoot development, database design, server deployment and the study of prediction algorithm.
- Second prize in National Computer Design Competition for College Students.

Meritorious Winner in COMAP's Mathematical Contest in Modeling
"What A Waste! Estimation of plastic waste Reduction"

Feb 2020

- Develop model to estimate the maximum levels of plastic waste that can safely be mitigated without further environmental damage;
- Use model to set a target for the minimal achievable level of global waste of disposable plastic products.

CORE COURSES

Advanced Mathematics I(89); Advanced Mathematics II(94); Linear algebra (91); Probability theory & mathematical statistics (99); Digital logic and digital circuits (95); Fundament of Computer System I (92); Fundament of Computer System II (90); The design and analysis of algorithm (91); Data Structure (90); Database System(98); Principles of Operating System (93); Advanced Language Programming(C/C++) (90);