

YIMING MAO

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EDUCATION

Nanjing University

Sept. 2017 - June 2021

B.S. in Computer Science & Technology
National Elite Program of Computer Science
Overall GPA: 4.56(ranked 3rd last semester)

University of British Columbia

July 2019 - August 2019

Exchange student
Get 99 points (A+) in summer school course

INTERNSHIP

Microsoft Corporation

Jan. 2020 - March 2020

Mobile Developer

Suzhou, China

- Enabled voice recognition on Office Android app, based on cortana module.

Tencent Co. Ltd

March. 2020 - present

Game Client Developer

Shanghai, China

- Convert game model to convex-hull physics collision model, along with detecting fissures and fixing holes on model automatically.

RESEARCH PROJECT & EXPERIENCE

Pose accuracy evaluation

Sept. 2019 - Jan. 2020

- Adviser: Prof. Gangshan Wu, MCG Group, Nanjing University
- Evaluated the accuracy of people doing the same action by understanding the pose information in video.
- Extract joint information based on openpose library, then use dynamic time warping algorithm to evaluate chronological accumulated loss. The process can extend to 3D situation if joint coordinations are given.

Face composition and style transfer

Oct. 2019 - Dec. 2019

- Used styleGAN encoder to convert images to features, which are easy to manipulate numerically.
- The processed feature then turned back to image by normal styleGAN process, generating fascinating face images.

Innovative project "Investment Guide for B&B Based on Machine Learning - Take Nanjing as an Example"

Oct. 2018 - June 2019

- Effectively predicted the price of flats based on given input information such as area, number of rooms and its position in Nanjing city, thus gave investors a valuable guide on B&B or flat rent investment.
- Served as the technical backbone of the project, responsible for data crawling, data cleaning and models training.
- The project has been rated as national key innovation project.

HKUST academic competition

Feb. 2019

- Participated in a kaggle competition on predicting the running time of sklearn program at HKUST as a team leader.

HONORS & AWARDS

- Model of excellent student cadres of Nanjing University *2019*
- Specialty Prize of Elite Program Scholarships Award *2019*
- Gold Award of Nanjing University 16th Algorithm Design Competition *2019*
- Second Prize(2nd participant) of Nanjing University Microsoft Club and Tencent Club Hackathon Competition *2019*
- Finalist of NJU-vivo-2019-hackathon Competition *2019*

SKILLS

Computer Languages	C, C++, python, Java, MATLAB
English	TOEFL:106/120 CET-6:623/710