

# YIMING MAO

(86) 13952536879 ◇ maoyim@126.com ◇ <https://github.com/leafeonia>

## EDUCATION

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### 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

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### 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.

### Microsoft Corporation

Jan. 2020 - March 2020

Mobile Developer

Suzhou, China

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

## RESEARCH PROJECT & EXPERIENCE

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### Pose accuracy evaluation

Sept. 2019 - Jan. 2020

- Advisor: Prof. Gangshan Wu, MCG Group, Nanjing University
- Evaluated the accuracy of people doing the same action by understanding the pose information in video.
- Extracted 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 giving 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 .

## HONORS & AWARDS

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- **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 2019
- **Finalist** of NJU-vivo-2019-hackathon Competition 2019

## SKILLS

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**Computer Languages**  
**English**

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