

# Yiming Mao

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## Education

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### Nanjing University

B.S. IN ELITE CLASS OF COMPUTER SCIENCE AND TECHNOLOGY DEPARTMENT

- GPA: 4.56/5.0 (ranked 3<sup>rd</sup> last semester)

Nanjing, China

2017.9 - PRESENT

### University of British Columbia

EXCHANGE STUDENT

- Get 99 points (A+) in summer school course

Vancouver, Canada

2019.7 - 2019.8

## Experience & Research project

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### Internship in microsoft

2020.1 - 2020.3

- Work on enabling voice recognition feature on Android devices, based on cortana module
- Dive into real industry-level projects, accumulate experience on complex project development
- Cooperated with US colleagues, got used to English working environment and international communication

### Internship in Tencent

2020.3 - 2020.6

- Work for Interactive Entertainment Group (IEG) in Tencent, develop game client and engine. Currently focusing on converting game model to convex physics collision model
- Be able to quickly familiarize with third-party libraries by reading documents and efficiently participate in the actual development process

### Nanjing University MCG Group research

2019.9 - 2020.1

- Research on evaluating 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
- Extend the process to 3D situation if joint coordination given

### Face composition and style transfer

2019.10 - 2019.12

- Complete a face image transformation program of actual use with my classmates
- Use styleGAN encoder to convert images to features, which are easy to manipulate numerically. The processed feature then turn back to image by normal styleGAN process, generating fascinating face images.

### Self-study computer vision classic course Stanford CS231n

2019.2 - 2019.8

- Learn lots of computer vision and deep learning related knowledge, such as the theory behind neural network and the function of different layers, and gain a more comprehensive understanding of the domain foundation
- Completed the course assignments, code link is [here](#)

### Participate in the innovative project "Investment Guide for B&B

Based on Machine Learning - Take Nanjing as an Example"

2018.10 - 2019.6

- The project effectively predicts the price of flats based on given input information such as area, number of

rooms and its position in Nanjing city, thus give investors a valuable guide on B&B or flat rent investment.

- Has been rated as national key innovation project
- Serve as the technical backbone of the project, responsible for data crawling, data cleaning, models training, etc

#### Hong Kong academic exchange activities

2019.2

- Visited renowned universities such as the HKU, CUHK, HKUST and PolyU, opened up a global perspective
- Lead the group to participate in the academic competition on predicting the running time of sklearn program at HKUST as a team leader, gaining knowledge of machine learning methods

## Honors & Awards

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2019     **Gold Award**, Nanjing University 16th Algorithm Design Competition

2019     **Speciality Prize**, Scholarship for Elite Students

2019     **Second Prize(2nd place)**, Nanjing University Microsoft Club and Tencent Club Hackathon Competition

2019     **Model of excellent student cadres** of 2017-2018 of Nanjing University

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

2018     **Bronze Award**, Nanjing University 15th Algorithm Design Competition

2018     **Third Prize**, Scholarship for Elite Students

## Skills

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#### Programming language

- C, C++, python, Java, MATLAB

#### English

- TOEFL: 106/120     CET-6: 623/710