Shicheng Chen

- coder.chen.shi.cheng@gmail.com
- https://github.com/ShichengChen/

JOB

- Nanyang Technological University
  - Project Officer
  - School of Computer Science and Engineering
  - 10/2017-09/2018
- National University of Singapore
  - Research Assistant
  - School of Computing
  - 10/2018-now

EDUCATION

- Tianjin University
  - Bachelor of Engineering
  - School of Software Engineering
  - 09/2013-07/2017
  - GPA: 3.19 / 4.0

PUBLIC LESSONS

- Convolutional Neural Networks for Visual Recognition
  - Stanford University cs231n
  - finish all videos and homework
- Machine Learning
  - Stanford University cs229
  - finish all videos and homework
- Data Science
  - Harvard University cs109
  - finish most videos and homework

SKILLS

- C/C++
  - Over 30000 lines:
  - familiar with OpenCV and STL
  - CUDA programming
- Python
  - familiar with PyTorch, Pandas, Scikit-learn and NumPy

AWARDS

- ACM International Collegiate Programming Contest
  - Asia Regional Contest

- Shanghai Site: 2014
- Bronze Medal
- The Beauty of Programming
  - Top 250/7764
  - Hosted by Microsoft: 2015
- Astar Contest
  - Top 415/7084
  - Hosted by Baidu: 2015

PUBLICATION

- Direct, Near Real Time Animation of a 3D Tongue Model Using Non-Invasive Ultrasound Images

  - **Shicheng Chen**, Yifeng Zheng, Chengrui Wu, Guorui Sheng, Pierre Roussel, Bruce Denby

  - Presentation in a **lecture** session

  - 2018 IEEE International Conference on Acoustics, Speech and Signal Processing

- Predicting Tongue Motion in Unlabeled Ultrasound Video Using 3D Convolutional Neural Networks

  - Chengrui Wu, **Shicheng Chen**, Guorui Sheng, Pierre Roussel, Bruce Denby

  - Presentation in a **poster** session

  - 2018 IEEE International Conference on Acoustics, Speech and Signal Processing

PROJECT

- Audio Source Separation
  - Obtain accompaniment and vocals from mix music.
  - More detail on https://github.com/ShichengChen/Audio-Source-Separation

RESEARCH INTERESTS

- Machine Learning
- Deep Learning
- Computer Vision