

# Shicheng Chen

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- <https://github.com/ShichengChen/>

## JOB

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- 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

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

## PUBLIC LESSONS

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- 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

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

## AWARDS

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- 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

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- 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
- Bus Travel Speed Prediction using Attention Network of Heterogeneous Correlation Features
  - Yidan Sun, Guiyuan Jiang, Siew-Kei Lam, **Shicheng Chen**, Peilan He
  - presentation at the SIAM International Conference on Data Mining (SDM19)
  - acceptance rate of 22.7%
- A Sequential Spatial Temporal Resnet for Task Prediction in Spatial Crowdsourcing
  - Dongjun Zhai, An Liu, **Shicheng Chen**, Zhixu Li, and Xiangliang Zhang
  - 24th International Conference on Database Systems for Advanced Applications (DASFAA 2019)

## PROJECT

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

## RESEARCH INTERESTS

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- Machine Learning
- Deep Learning