JEN-TSE HUANG

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Education

- **Peking University** Beijing, P.R.China
  Undergraduate, 2015 *2015 - 2019*
  - Yuanpei College
  - Major in Computer Science and Technology
  - Minor in Economics
  - Have taken many mathematics courses, laying a good foundation of logic thinking
  - Have completed some challenging courses, like Operating System (Honor Class)
  - Codes of course projects are available at https://github.com/penguinnnnn

Adwards

- **Scholarship for Hong Kong, Macao, Taiwan and Overseas Chinese** 2018
  Peking University

Research Experience

1. (2017.9 - 2018.1) Lab in Peking University
   - Center for Energy-Efficient Computing and Applications (CECA)
   - Accelerating networks
   - Compressing networks to fit in cellular phones
2. (2018.2 - now) Internship in Research Dept, SenseTime, Beijing
   - Team: Key points analysis and Pose estimation
   - Main Fields: Face alignment; Generative algorithms;
   - Working Routines: Reading and reproducing papers; Communicating ideas in weekly team seminar; Sometimes finishing some engineering requirements, usually including:
     (a) Training a network for a certain use
     (b) Writing the testing codes
     (c) Pre-processing some data, etc
   - I have trained many models for both research and engineering use. For example, a network which outputs 106 key points of a human face. Compared with traditional methods, it has these advantages below:
     (a) Do not need camera parameters
     (b) The input of the network is grey images, resulting in smaller size and faster speed

(c) Stronger stability (Less shake in output of the network)

- Recently I am working with my colleagues for some papers and running some experiments, aiming for CVPR. Meanwhile, my own topic is aimed for ICCV.
- Also, our face alignment team has a project participating in Dean's Innovative Technological Breakthrough Award held by SenseTime Research Dept.

3. Fields of interest

   - Generative Algorithm; Domain Adaptation; Learning Representations;

Languages and Skills

1. Languages

   - Chinese (Native)
   - English (Advanced, pass CET4 and CET6 in China, TOEFL 96 (R:26 L:28 S:22 W:20))

2. Programming

   - Unix Programming, and command tools like git, tmux and slurm
   - C/C++ and python, including libraries
   - Deep learning frames: caffe and pytorch (Mostly and Skillfully use), tensorflow (Seldom use)

3. Others Skills

   - MySQL
   - MATLAB, stata
   - LaTeX, markdown