

# JEN-TSE HUANG

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<https://penguinnnnnn.github.io/>

## 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/penguinnnnnn>

## 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. It's about interpretation of GANs and face editing.
  - 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; Network Interpretation;

## 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
- $\text{\LaTeX}$ , markdown