

# Meng Pan

## Curriculum Vitae

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🌐 <https://github.com/everythoughthelps>

### Education

- 2018–present **M.Sc. on Detection Technology and Automatic Equipment**, *School of Intelligent Systems Engineering*, Sun Yat-Sun University, GuangZhou, China.
- 2013–2017 **B.Sc. on Traffic and Transportation**, *School of Traffic and Transportation*, Shijiazhuang Tiedao University, Shijiazhuang, China.

### Research Experiences

- 2019.11–2020.5 **Monocular Depth Estimation Based on Pixel Classification**, *accepted on China Automatic Congress 2020*.  
<https://github.com/everythoughthelps/depth-estimation>
- We model monocular depth estimation as a pixel level classification problem, and propose a Feature Attention Module to make the feature maps weighted to participate in the depth reconstruction
- 2020.7–2021.1 **Self-distillation Network for Indoor and Outdoor Monocular Depth Estimation**, *under review on Multimedia Tools and Applications*.  
<https://github.com/everythoughthelps/SDMDE>
- In order to improve the robustness of monocular depth estimation algorithm, we creatively train the network using indoor and outdoor composite dataset(KITTI+NYU) at the same time
  - When faced with composite dataset, the performance of the network has been degraded in varying degrees, it is because the complex distribution is a challenge to the expressiveness and fitting ability
  - We proposed a framework based on knowledge distillation. Experiments show that our framework can improve the expressiveness and fitting ability of the network, and reduce the degradation when faced with composite dataset

### Publications

- Author1 and Author2, "Conference Paper Title," *conference Name*, City, country, year, pp. 1-last page.
- Author1 and Author2, "journal Paper Title," in *journal Name*, vol. 00, no. 0, pp. 00-00, Month, year.

### Activities

- Assistant of Unity, an engine of game development

- Ministrater of the deep learning server, mainly responsible for the maintenance of deep learning servers in the school, including network maintenance, disk management, environment configuration, etc.

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## Skills

- **Python, C++, shell**
- **Linux, Git. Github, Latex**

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## Languages

- **Language:English**  
IELTS: 6 (Reading:6.5, Listening:5.5, Speaking:5.5, Writing:6)  
CET-6 (448)

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## Interests

hobby 1	Description
hobby 2	Description
hobby 3	Description