

# WANG Hao

hao.wang9605@gmail.com

<https://wanghao.tech/>  
<https://github.com/hwang1996/>

## EDUCATION

---

- **Nanyang Technological University (NTU)** Singapore  
*PhD Student* Aug 2019 – Present
  - Advisor: Miao Chun Yan
- **Huazhong University of Science and Technology (HUST)** Wuhan, China  
*Bachelor of Automation (Outstanding Graduate)* Sept 2014 – Jun 2018

## EXPERIENCE

---

- **Living Analytics Research Centre (LARC)** SMU, Singapore  
*Research Engineer* Aug 2018 - Aug 2019
  - Involved in FoodAI project, which applies food recognition into daily life with app **Healthy 365**. Mainly took charge of model training.
  - Researched on cross-modal retrieval in food domain, introducing modality alignment to food retrieval.
  - Advisor: Steven Hoi
- **Horizon Robotics Inc.** Beijing, China  
*Algorithm Intern* Jan 2018 - May 2018
  - Researched on video face recognition.
  - Utilized deep learning to analyze the quality of each frame, which is used to obtain video representations by weighted averaging.
  - Advisors: Ming Yang, Zhizhong Su
- **National Laboratory of Pattern Recognition, CASIA** Beijing, China  
*Intern* Jul 2017 - Sept 2017
  - Researched on data cleansing methods based on neural networks.
  - Trained classifiers obtained from noisy label datasets with robust performance.
  - Advisors: Stan Z. Li, Jun Wan

## PROJECTS

---

- **Emotion Recognition:** National Students Innovation and Entrepreneurial Training Program
  - Traced faces in videos with OpenCV library, realized facial expression recognition with SVM classifier and random forest classifier. Participated in *Emotion Recognition in The Wild Challenge* 2016, and composed the challenge essay as first author.
  - Be rated as Excellent Undergraduate Student Innovation and Entrepreneurship Training Program in School of Automation and HUST.

## PREPRINTS

---

- **FoodAI: Food Image Recognition via Deep Learning for Smart Food Logging:**
  - Doyen Sahoo, **Wang Hao**, Shu Ke, Xiongwei Wu, Hung Le, Palakorn Achananuparp, Ee-Peng Lim, Steven Hoi.
  - Accepted at KDD 2019.
- **Learning Cross-Modal Embeddings with Adversarial Networks for Cooking Recipes and Food Images:**
  - **Wang Hao**, Doyen Sahoo, Chenghao Liu, Ee-peng Lim, Steven Hoi.
  - Accepted at CVPR 2019.

## SKILLS

---

- **Programming Languages:** Python, C, Matlab, Java
- **Deep Learning Framework:** Pytorch, MXNet, Caffe
- **IELTS:** 7.0