WANG Hao

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

EDUCATION

- **Nanyang Technological University (NTU)** — Singapore
  PhD Student — *Aug 2019 – Present*
  - Advisor: Miao Chunyan

- **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.
  - Accpeted at CVPR 2019.

SKILLS

- **Programming Languages**: Python, C, Matlab, Java

- **Deep Learning Framework**: Pytorch, MXNet, Caffe

- **IELTS**: 7.0