

# Zhi Hou

Phone: 15800004287

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## Professional Skills

- **Passionating about technology and research, particularly Computer Vision. Experienced in Video Understanding(Activity Recognition), Semantic Segmentation.**
- **Excellent practical abilities: Experienced in Tensorflow, Python, Java. Knowledge in C/C++ and even JVM.**

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## EDUCATION

### **M.Eng.**

- **South China University of Technology**
- Major: Computer Science
- Advisors: Wen Guihua
- 2014/9 - 2017/6

### **B.Eng.**

- **South China University of Technology**
- 2010/9 - 2014/6
- **The First in our class**
- **GAP of major courses 3.76/4.0, Rank 8/136**

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## AWARDS

**Winner Award of ActivityNet Moments in Time Challenge 2018(1st place in the FULL TRACK)**

**2011-2012 National Encouragement Scholarship**

**2010-2011 National Scholarship**

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## WORK EXPERIENCE

2017/7 - 2018/6 — HIKVISION RESEARCH INSTITUTE

Algorithm Engineer in the pre research team. Mainly responsible for algorithm research. The research involved include **Semantic Segmentation, Graph Neural Network in counter-terrorism recommendation, Video Activity Recognition**. All this experience opened up my vision of deep learning.

2016/7 - 2016/9 — Baidu

Du Booster product team's Android R&D engineering intern. Responsible for product development. **Excellent work in the internship.**

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## PUBLICATIONS

1. Wen G, Hou Z, Li H, et al. Ensemble of deep neural networks with probability-based fusion for facial expression recognition[J]. Cognitive Computation, 2017, 9(5): 597-610
2. Li D, Wen G, Hou Z, et al. RTCRelief-F: an effective clustering and ordering-based ensemble pruning algorithm for facial expression recognition[J]. Knowledge & Information Systems, 2018:1-32.
3. Dong M, Hou Z, Liu Z, et al. Design and implementation of behaviour detection system for the elderly based on smart phone[C]// IEEE International Conference on Robotics and Biomimetics. IEEE, 2012:1741-1746.

# 侯志

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## 专业技能

- 对技术和研究充满热情，在深度学习和计算机视觉方面有较丰富的经验和较好的理解，尤其Activity Recognition、Semantic Segmentation。
- 极好的动手能力：熟练使用TensorFlow，了解Caffe、Caffe2及PyTorch。熟练Python的使用，熟练Java和Android APP开发(有丰富的项目开发经验)，了解虚拟机机制，较为熟悉C，C++。

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## 教育经历

### 硕士

- 华南理工大学计算机学院
- 专业：人工智能与机器学习
- 导师：文贵华
- 2014/9 - 2017/6

### 本科

- 华南理工大学计算机学院
- 2010/9 - 2014/6
- 班级排名第一 (1/60)
- **GAP: 3.76/4.0, Rank 8/136**

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## AWARDS

**2018.6**      **CVPR 2018 ActivityNet** ( Moments in Time in the FULL TRACK) 第一名

**2011-2012** 国家励志奖学金

**2010-2011** 国家奖学金

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## 工作与实习经历

2017/7 - 2018/6 — 海康威视研究院

作为算法工程师在预研组。主要负责计算机视觉的算法研究。研究内容包括语义分割、反恐推荐中的图形神经网络、视频活动识别等。所有的这些经历加深了我对深度学习的理解，教会了我怎么去做研究。其中语义分割和视频行为识别都取得非常出色的工作。

2016/7 - 2016/9 — 百度

国际化产品团队Android研发工程实习生。负责安卓优化大师产品开发。实习期间工作出色。参与千万日活的产品研发工作对我的帮助极大：细致地分析每一个细节，查找表象的深层次原因。

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1. Wen G, Hou Z, Li H, et al. Ensemble of deep neural networks with probability-based fusion for facial expression recognition[J]. Cognitive Computation, 2017, 9(5): 597-610
2. Li D, Wen G, Hou Z, et al. RTCRelief-F: an effective clustering and ordering-based ensemble pruning algorithm for facial expression recognition[J]. Knowledge & Information Systems, 2018:1-32.
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