Chen Chaofeng

CONTACT INFORMATION

CB411, Chow Yei Ching Building,
The University of Hong Kong,
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RESEARCH INTERESTS

Computer Vision, including face sketch synthesis, facial image editing, neural style transfer, scene text recognition, lip reading
Deep Learning, including CNN, RNN, GAN

EDUCATION

The University of Hong Kong (HKU)　　　　　　　　　　　　Hong Kong SAR, China

Ph.D. Candidate, Computer Science　　　　　　　　　　　**Sep, 2015 - Present**
- Supervisor: Dr. Kenneth K.Y. Wong

Huazhong University of Science and Technology (HUST)　　　　　WuHan,China

B.Eng., Computer Science　　　　　　　　　　　　**Sep, 2011 - June, 2015**
- Thesis: Salient Region Detection and Scene Classification.
- GPA 4.0/4.0, top 1% of 300

RESEARCH EXPERIENCE

The University of Hong Kong　　　　　　　　　　　**Jul, 2014 - Aug, 2014**
Research Internship, Dept. of Computer Science
Supervisor: Dr. Kenneth K.Y. Wong
- Project: Object Detection And 2D-3D Alignment

Huazhong University of Science and Technology　　　　　**Mar, 2013 - Nov, 2014**
Student Innovation Project
Supervisor: Professor Enming Song
- Project: Stereo Matching with Adaptive Windows.

PUBLICATIONS

[conference publications]

1. **C. Chen**, Liu Wei, Xiao Tan, K.-Y. K. Wong. Semi-Supervised Learning for Face Sketch Synthesis in the Wild. (*Submitted*).

2. **C. Chen***, Xiao Tan*, K.-Y. K. Wong. Face Sketch Synthesis with Style Transfer using Pyramid Column Feature. *Winter Conf. on Applications of Computer Vision(WAVC)*, 2018. (* equal contribution)

3. W. Liu, **C. Chen**, K.-Y. K. Wong. Char-Net: A Character-Aware Neural Network for Distorted Scene Text Recognition. *AAAI Conference on Artificial Intelligence (AAAI)*, 2018. **Oral Presentation**

4. W. Liu, **C. Chen**, K.-Y. K. Wong, Z. Su and J. Han. STAR-Net: A SpaTial Attention Residue Network for Scene Text Recognition. *British Machine Vision Conference (BMVC)*, 2016.

AWARDS

Student Awards — The University of Hong Kong
- Hong Kong PhD Fellowship (HKPF)　　　　　　　　　　　**2015 – 2018**

Student Awards — Huazhong University of Science and Technology
2013 – 2014
- National Encouragement Scholarship
2012 – 2013
- Excellent Student for Academic Performance of Qiming College
- Merit Student Title of Huazhong University of Science and Technology
- National Encouragement Scholarship
2011 – 2012
- National Scholarship
- Merit Student Title of Huazhong University of Science and Technology

PRESENTATIONS	**The University of Hong Kong**

PRESENTATIONS

The University of Hong Kong
- Probation seminar: An End-to-End Trainable Network for Continuous Lip-reading   2017.01
- Project report: Object Detection And 2D-3D Alignment.   2014.08

Huazhong University of Science and Technology
- Project report: Stereo Matching with Adaptive Windows.   2014.10

TEACHING
EXPERIENCE

The University of Hong Kong

Department of Computer Science, Teaching Assistant

- COMP2396 Object-Oriented Programming and Java   Spring, 2015 − 16
- COMP2396 Object-Oriented Programming and Java   Fall, 2016 − 17

TECHNICAL SKILLS
- Programming in: `Python, C/C++, Java, Matlab`
- Language: Mandarin (native speaker), English (working proficiency)
- Others: PyTorch, Keras, Theano, LaTeX, OpenCV, etc

SOCIAL ACTIVITIES
- Student helper in Information Day of HKU.   Nov, 2016 − 17
- Student helper in InnoCarnival of Hong Kong.   Nov, 2016
- Volunteer work in Hospital of HUST.   2011 − 2014
- Part-time job as network administrator in the Network Management Center of HUST.   2012 − 2013
- Investigation of environment pollution in Guilin, Guangxi, China.   Jul, 2012

陈超锋 | 个人简历

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🎓 教育背景

香港大学 中国香港 2015.09 – 至今
在读博士生 计算机科学
- 研究课题：人脸素描，人脸图片编辑，场景文字识别
- 导师：Dr. Kenneth K.Y. Wong

华中科技大学 中国武汉 2011.09 – 2015.07
计算机工程学士 计算机科学
- 毕业课题：视觉关注区域中的内容分析与图像场景分类
- 毕业导师：陈加忠教授
- 加权平均分：92.3，前 1%

♥ 研究兴趣

计算机视觉：包括人脸素描生成，人脸图片编辑，图像风格迁移，场景文字识别，唇语识别
机器学习：包括卷积神经网络，循环神经网络，对抗生成模型

👥 研究经历

香港大学 中国香港 2014.07 – 2014.08
暑期实习生 计算机系

- 研究项目：物体识别以及三维姿态估计
- 导师：Dr. Kenneth K.Y. Wong

华中科技大学 中国武汉 2013.03 – 2014.10
大学生创新项目 计算机系

- 研究课题：基于双目立体匹配的深度图生成
- 导师：宋恩民教授

📄 发表论文

1. **C. Chen**, Liu Wei, Xiao Tan, K.-Y. K. Wong. Semi-Supervised Learning for Face Sketch Synthesis in the Wild. (*Submitted*).
2. **C. Chen***, Xiao Tan*, K.-Y. K. Wong. Face Sketch Synthesis with Style Transfer using Pyramid Column Feature. *Winter Conf. on Applications of Computer Vision(WAVC)*, 2018. (* equal contribution)
3. W. Liu, **C. Chen**, K.-Y. K. Wong. Char-Net: A Character-Aware Neural Network for Distorted Scene Text Recognition. *AAAI Conference on Artificial Intelligence (AAAI)*, 2018. **Oral Presentation**
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🏆 获奖情况

香港大学 中国香港
- 香港博士研究生奖学金 (HKPF) 2015 – 2018

华中科技大学 中国武汉
- 国家励志奖学金 2012 – 2013 | 2013 – 2014
- 启明学院特优生 2012 – 2013
- 校三好学生 2011 – 2012 | 2012 – 2013

- 国家奖学金 2011 – 2012

⚙ 技能

- 编程: Python, C/C++, Java, Matlab
- 工具: PyTorch, Keras, Theano, LaTeX, OpenCV
- 语言: 普通话，英语

ⓘ 社会活动

香港大学 中国香港
- 香港大学开放日学生助理 2016.11 | 2017.11
- 香港创新嘉年华学生助理 2016.11

华中科技大学 中国武汉
- 校医院志愿者 2011 – 2014
- 网络中心兼职网管 2012 – 2013

- 编程: Python, C/C++, Java, Matlab
- 工具: PyTorch, Keras, Theano, LaTeX, OpenCV
- 语言: 普通话，英语