

Chufeng Tang

Fourth-year Ph.D. Student · Tsinghua University

FIT building 1-508, Tsinghua University, Haidian District, Beijing, P.R. China, 100084

☎ (+86) 131-2508-3646 | ✉ chufeng.t@foxmail.com | 🏠 chufengt.github.io

Education

Tsinghua University (THU)

Ph.D. Student in Computer Science and Technology

Beijing, China

2018/09 – 2023/07 (Expected)

- Advisor: Prof. Xiaolin Hu
- TSAIL Group, Department of Computer Science and Technology
- Research interests: deep learning and computer vision, especially on instance-level detection/segmentation, language-driven visual recognition, AI for (biomedical) science, etc.

Huazhong University of Science and Technology (HUST)

B.E. in Computer Science and Technology

Wuhan, China

2014/09 – 2018/06

- GPA: 3.97/4.0 Grade: 90.4/100 Rank: 4/260
- Thesis: Attribute Recognition with Multi-task Learning (Outstanding Bachelor Thesis)

Publications

Visual Recognition by Request

NeurIPS 2022 (Under Review)

Chufeng Tang, Lingxi Xie, Xiaopeng Zhang, Xiaolin Hu, Qi Tian

Improving Image Segmentation with Boundary Patch Refinement

IJCV (Under Review)

Xiaolin Hu[†], Chufeng Tang, Hang Chen, Xiao Li, Jianmin Li, Zhaoxiang Zhang

Active Pointly-Supervised Instance Segmentation

ECCV 2022

Chufeng Tang, Lingxi Xie, Gang Zhang, Xiaopeng Zhang, Qi Tian, Xiaolin Hu

VIRTUAL

Look Closer to Segment Better: Boundary Patch Refinement for Instance Segmentation

CVPR 2021

Chufeng Tang*, Hang Chen*, Xiao Li, Jianmin Li, Zhaoxiang Zhang, Xiaolin Hu[†]

VIRTUAL

Improving Pedestrian Attribute Recognition With Weakly-Supervised Multi-Scale Attribute-Specific Localization

ICCV 2019

Chufeng Tang, Lu Sheng, Zhaoxiang Zhang, Xiaolin Hu[†]

Seoul, Korea

Projects

Automated Large-Scale 3D Neuron Reconstruction with Deep Learning

Beijing, China

AI for Biomedical Science

2021/06 – Present

- Goal: identifying brain-wide neural connectivity/morphology from optical microscopy images.
- Key technical problems: neural signal segmentation (distinguish all axonal processes from background), neuron tracing (trace individual segments into a compact neuron), etc.

Experience

Huawei Technologies Co., Ltd.

Beijing, China

Research Intern

2020/09 - Present

- Advisor: Prof. Qi Tian and Dr. Lingxi Xie
- Research topics: detection/segmentation, language-driven visual recognition, label-efficient learning, etc.

SenseTime Group Inc.

Research Intern

Beijing, China

2017/08 - 2018/07

- Advisor: Dr. Jing Shao
- Research topics: pedestrian attribute recognition, intelligent surveillance, multi-task learning, continual learning, etc.

Tsinghua University

Teaching Assistant

Beijing, China

2018, 2019, 2020

- 2018 Fall. **Introduction to Deep Learning** (THU-00240332), instructed by Prof. Xiaolin Hu
- 2019 Summer. **Tsinghua University Deep Learning 2019 Summer School**
- 2019 Fall. **Introduction to Deep Learning** (THU-00240332), instructed by Prof. Xiaolin Hu
- 2020 Spring. **Deep Learning** (THU-80240743), instructed by Prof. Xiaolin Hu and Prof. Jun Zhu
- 2020 Fall. **Neural and Cognitive Computation** (THU-80240642), instructed by Prof. Xiaolin Hu

Honors & Awards

2018	Outstanding Bachelor Thesis Award , Huazhong University of Science and Technology	Wuhan, China
2018	Outstanding Graduates , Huazhong University of Science and Technology	Wuhan, China
2017	National Scholarship , Ministry of Education	China
2017	Outstanding Undergraduate Award , China Computer Federation (CCF)	China
2017	Gold Award , The CCF Collegiate Computer Systems & Programming Contest (CCF-CCSP)	Beijing, China
2016	Bronze Medal , The 2016 ACM-ICPC Asia Qingdao Regional Contest	Qingdao, China
2016	National Endeavor Scholarship , Ministry of Education	China
2015	Bronze Medal , The 2015 ACM-ICPC Asia Hefei Regional Contest	Hefei, China
2015	Merit Student , Huazhong University of Science and Technology	Wuhan, China

Skills

Programming	Python, C/C++, Cuda, Matlab, \LaTeX
Deep Learning Tools	PyTorch, Caffe
Platform	Mac OSX, Linux, Windows
Languages	English(Fluent), Mandarin(Native speaker)