

Lihao LIU

M.Phil. Student · The Chinese University of Hong Kong

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Education

The Chinese University of Hong Kong (CUHK)

M.Phil. in Computer Science and Engineering

- Supervisor: Prof. Pheng-Ann Heng.
- Honor / Award: Full scholarship for M.Phil. Student.
- Research Interests: **Medical Image Analysis & Deep Learning.**

Hong Kong

Aug. 2017 - Present

Expected Graduation: Feb. 2020

Chongqing University (CQU)

B.Eng. in Software Engineering

- Supervisor: Prof. Jun Zeng.
- Honor / Award: Outstanding Student in Chongqing University, 2016.
- GPA: 3.43 / 4.0 (Top 10% in department).

Chongqing, China

Sep. 2012 - Jul. 2016

Publications

Probabilistic Multilayer Regularization Network for Unsupervised 3D Brain Image Registration

Accepted at MICCAI 2019

Lihao Liu, Xiaowei Hu, Lei Zhu, and Pheng-Ann Heng.

Medical Image Computing and Computer Assisted Intervention (MICCAI), 2019.

Multi-Task Deep Model with Margin Ranking Loss for Lung Nodule Analysis

Accepted at IEEE TMI

Lihao Liu, Qi Dou, Hao Chen, Jing Qin, and Pheng-Ann Heng.

IEEE Transactions on Medical Imaging (TMI, IF: 7.82), 2019.

MTMR-Net: Multi-Task Deep Learning with Margin Ranking Loss for Lung Nodule Analysis

Accepted at DLMIA 2018

Lihao Liu, Qi Dou, Hao Chen, Iyiola E. Olatunji, Jing Qin, and Pheng-Ann Heng.

Deep Learning in Medical Image Analysis (DLMIA), 2018.

Ψ-Net: Stacking Densely Convolutional LSTMs for Sub-cortical Brain Structure Segmentation

Major Revision at IEEE TMI

Lihao Liu, Xiaowei Hu, Lei Zhu, Chi-Wing Fu, Jing Qin, and Pheng-Ann Heng.

IEEE Transactions on Medical Imaging (TMI, IF: 7.82).

Work Experience

The Chinese University of Hong Kong

Junior Research Assistant at Medical Imaging Lab (CUMed)

- Developed and integrated the deep learning algorithms into ITK-SNAP for lung nodule analysis.

Hong Kong

Mar. 2017 – Jul. 2017

Weiboyi Technology Co., Ltd

Data Mining Engineer at Big Data Group

- Developed a hive-based auto-update system for big files storing and updating.

Beijing, China

May. 2016 – Feb. 2017

Selected Activities

Teaching Assistant at CUHK

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| 2018-2019 | Spring | CSCI2100 Data Structures |
| 2017-2019 | Fall | CSCI3160 Design and Analysis of Algorithms |

Paper Reviews

2019 IEEE TMI & MICCAI 2019