Mengfan Li

Nationality: Chinese

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Date of birth: 16/09/1996

Gender: Male

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EDUCATION AND TRAINING

Master of Science
University of Liverpool and Xi'an Jiaotong-Liverpool University [16/09/2020 – Current]

Field(s) of study: Medical image processing
Final grade : First semester: distinction

Main courses: advanced signal processing, image and video processing, deep learning and computer vision, advanced pattern recognition

Bachelor degree in engineering
Xingtai University [01/09/2014 – 30/06/2018]

Field(s) of study: Computer Science
Final grade : 82.89/100, Top 10% by grade
Number of credits: 3.11/4

Main courses: calculus, linear algebra, algorithm and design, MATLAB and its application, C++ programming

WORK EXPERIENCE

Research assistant
Xi'an Jiaotong-Liverpool University [01/12/2020 – Current]

City: Suzhou
Country: China

Under the leadership of Dr. Fei Ma from the School of Science, in the Intelligent Computing and Fintech Laboratory, using deep learning technology for medical image processing,

- Nipple Detection in Mammogram Using a New Convolutional Neural Network Architecture (completed)
- Using deep learning technology to locate breast cancer tumors (ongoing)

In both projects, my work is to preprocess dataset and design detection algorithms.

Research assistant

Xi'an Jiaotong-Liverpool University [01/10/2020 – 20/01/2021]

City: Suzhou
Country: China

Under the leadership of the Department of COMMUNICATIONS AND NETWORKING teacher KYEONG SOO KIM, To implement a prototype multi-building and multi-floor indoor localization system based on DNN technology.

My main job is to improve the DNN positioning algorithm and try to use RNN to improve the performance of the algorithm.

Teaching assistant

Xi'an Jiaotong-Liverpool University [01/10/2020 – 15/01/2021]

City: Suzhou
Country: China

Together with the teachers of the Mathematics Teaching Group of the Faculty of Science, I teach the freshmen advanced mathematics knowledge. My task is to answer student questions and correct homework.

PUBLICATIONS

Research on the Detection Method of Breast Cancer Deep Convolutional Neural Network Based on Computer Aid

2021 International Conference on Medical Imaging, Sanitation and Biological Pharmacy

First author