

Chenyu Lian (连陈宇)

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Dept. of Computer Science and Technology, Xiamen University, Xiamen, Fujian, China

PERSONAL STATEMENT

I am a master's student possessing independent thinking, thorough deliberation, and strong execution capabilities. My emotional state tends to remain stable, while I exhibit intense curiosity about the world and a vibrant passion for sports.

EDUCATION

Xiamen University, Xiamen, Fujian, China

2021.09 - Present

Master of Engineering

Expected Graduation: 2024.06

Computer Science and Technology

Adviser: Prof. Liansheng Wang and Prof. Rongshan Yu

GPA: 3.83 / 4 Ranking in class: 11 / 114

IELTS: 7.5 (Listening: 8.5, Reading: 8.0, Writing: 7.0, Speaking: 6.0)

Xiamen University, Xiamen, Fujian, China

2017.09 - 2021.06

Bachelor of Engineering

Computer Science and Technology

Adviser: Prof. Liansheng Wang

GPA: 3.62 / 4 Average Score: 87.14 / 100

PUBLICATIONS

Zhou H Y #, [Lian C #](#), Wang L, et al. Advancing Radiograph Representation Learning with Masked Record Modeling. International Conference on Learning Representation, 2023. (**ICLR 2023**)

Kong L #, [Lian C #](#), Huang D, et al. Breaking the Dilemma of Medical Image-to-image Translation. Advances in Neural Information Processing Systems, 2021, 34: 1964-1978. (**NeurIPS 2021, Spotlight, CCF-A**)

[Lian C](#), Li X, Kong L, et al. CoCycleReg: Collaborative Cycle-consistency Method for Multi-modal Medical Image Registration. Neurocomputing, 2022, 500: 799-808. (**Neurocomputing, CCF-C**)

Chen H, [Lian C](#), Wang L. Endoscopy Artefact Detection and Segmentation Using Deep Convolutional Neural Network. EndoCV@ ISBI, 2020: 37-41.

HONOURS AND AWARDS

Huawei Scholarship, Xiamen University (厦门大学 华为奖学金)

2022

Outstanding Student Cadre, Xiamen University (厦门大学 优秀学生干部)

2022

Outstanding Graduate Student Award, Xiamen University (厦门大学 优秀毕业生)

2021

Mindu · Xiamen International Bank Scholarship, Xiamen University (厦门大学 闽都·国际银行奖学金)

2021

Furong Foundation Science & Innovation Scholarship of Xiamen University (厦门大学 芙蓉基金科创奖学金)

2021

Excellent League Member, Xiamen University (厦门大学 优秀团员)	2020
First Prize in the Fujian Division of Contemporary Undergraduate Mathematical Contest in Modeling (全国大学生数学建模大赛福建赛区一等奖)	2019
Merit Student, Xiamen University (厦门大学 三好学生)	2018

RESEARCH EXPERIENCE

Project: Radiograph representation learning 2021.12 - 2023.02

Adviser: Prof. Liansheng Wang, Xiamen University, Xiamen, Fujian, China

Co-adviser: Prof. Yizhou Yu, The University of Hong Kong, Hong Kong, China

Description:

The research is primarily documented in the paper [Advancing Radiograph Representation Learning with Masked Record Modeling \(ICLR 2023\)](#), focusing on the self- and report-completion to improve radiograph representation learning.

I am the co-first author of the paper and one of the two primary developers of the methodology, responsible for the majority of the experiments and actively participated in the paper writing.

Project: Medical image-to-image translation and medical image registration 2020.10 - 2022.05

Adviser: Prof. Liansheng Wang, Xiamen University, Xiamen, Fujian, China

Co-adviser: Prof. Xiaomeng Li, Hong Kong University of Science and Technology, Hong Kong, China

Description:

The research was mainly done during an internship at Manteia Technologies Co., Ltd and is documented in two papers:

1. [Breaking the Dilemma of Medical Image-to-image Translation \(NeurIPS 2021, Spotlight\)](#), breaking the dilemma in image-to-image translation caused by the scarcity of paired and aligned images by leveraging the registration model.

I am the co-first author of the paper and the original proposer of the idea, responsible for half of the experiments, and actively participated in the paper writing.

2. [CoCycleReg: Collaborative Cycle-consistency Method for Multi-modal Medical Image Registration \(Neurocomputing\)](#), collaborating the cycle-consistency to enhance the accuracy and regularity of multi-modal image registration.

I am the first author of the paper and the original proposer of the methodology, responsible for all the experiments and most of the paper writing.

NON-ACADEMIC EXPERIENCE

A total of 43 hours of volunteer service during the master's program.

(硕士期间志愿服务时长共 43 小时)

2021 - 2023

A total of 119 hours of volunteer service during the undergraduate program.

(本科期间志愿服务时长共 119 小时)

2017 - 2021

Class leader and other main student cadres of the class. (本科期间历任班长及其他主要班级学生干部)

2017 - 2021

Outstanding volunteer of the 4th China College Students' "Internet Plus" Innovation and Entrepreneurship Competition. (第四届中国 "互联网+" 大学生创新创业大赛 "优秀志愿者" 称号)

2018

Excellent activist of "Internet Plus" Precise Poverty Alleviation summer social practice.

("互联网+" 精准扶贫暑期社会实践 "积极分子" 称号)

2018