
PROFESSIONAL SUMMARY

I am a researcher at the University of Glasgow, focusing on leveraging emerging digital technologies to enhance the effectiveness of peer support organizations. I am actively seeking opportunities to work in relevant healthcare services, collaborating with practitioners to co-design an intelligent chatbot which can facilitate peer support communities on social platforms. Acknowledging that robots can never fully replace human interaction to humans, my ultimate goal is to make chatbots serve as thoughtful assistants, reducing both physical and emotional workloads and making life easier for individuals and society in practice.

EDUCATION

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| University of Glasgow | Glasgow, United Kingdom |
| School of Computing Science, College of Science & Engineering | Jan 2024 – Jul 2027 Expected |
| <ul style="list-style-type: none">• Programme: PhD in Computing Science• Supervisors: Dr. Stephen Lindsay, Dr. Xianghua (Sharon) Ding, and Dr. Mary Ellen Foster• Research title: Designing and developing an intelligent conversational agent for facilitating peer support• A web-based chatbot prototype available at https://ferrybot.eu.pythonanywhere.com/. | |
| University of Glasgow | Glasgow, United Kingdom |
| James Watt School of Engineering, College of Science & Engineering | Sep 2022 – Dec 2023 |
| <ul style="list-style-type: none">• Degree: Master of Science in Robotics and Artificial Intelligence with Merit• Thesis title: FerryBot: An Intelligent Conversational Agent for Peer Support | |
| South China University of Technology (SCUT) | Guangzhou, China |
| Computer Science and Technology, School of Computer Science and Engineering | Sep 2018 – Jul 2022 |
| <ul style="list-style-type: none">• Degree: Bachelor of Engineering, GPA: 3.78/4.0 (88.97/100)• Thesis title: A Trajectory K-Anonymity Clustering Model Based on Point Density and Partition | |

INTERNSHIP AND PROJECT EXPERIENCE

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| Tencent Technology Shenzhen Co., Ltd. | Shenzhen, China |
| Tencent Lexiang Product Center, TEG R&D Management Department | Jul 2021 – Aug 2021 |
| <ul style="list-style-type: none">• <i>Front-end Development Intern</i>• Worked on web application, solving product requirements within multiple modules in system stream. | |
| SCUT - ByteDance Ltd. | Remote |
| Software Engineering Curriculum Design Collaboration Project | Mar 2021 – Jun 2021 |
| <ul style="list-style-type: none">• <i>Front-end Development Team Leader and UI Designer</i>• Developed a web-based online programming examination and interview platform. | |
| Special (Wushuang) Customization Network Technology Co., Ltd. | Guangzhou, China |
| National Innovation and Entrepreneurship Practice Program | Nov 2019 – Jul 2020 |
| <ul style="list-style-type: none">• <i>Member of Marketing Dept.</i>• Mainly responsible for supplier connection and order management for SCUT souvenirs. | |
| SCUT - Tencent Education Institution | Guangzhou, China |
| Mini-Program Cloud Development Open Course | Oct 2019 – Nov 2019 |
| <ul style="list-style-type: none">• <i>Course Trainee</i>• Developed a cloud memo Mini-program and qualified course completion certificate from Tencent. | |

RESEARCH EXPERIENCE

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| FerryBot: An Intelligent Conversational Agent for Peer Support | Jun 2023 – Aug 2023 |
| Supervisor: Dr. Stephen Lindsay | |
| <ul style="list-style-type: none">• Master's Thesis on designing and developing a chatbot on Facebook Messenger for peer support groups• Currently exploring this area further and seeking external collaborations for PhD research. | |

A Trajectory K-Anonymity Clustering Model Based on Point Density and Partition Sep 2021 – May 2022

Supervisor: Prof. Xu Hongyun

- Bachelor's Thesis on machine learning-based algorithm design and optimization
- A related output paper presented on arXiv at arxiv.org/abs/2307.16849.

Design and Implementation of a Machine Learning-based Trajectory Privacy Preservation Algorithm

Supervisor: Prof. Xu Hongyun

Apr 2020 – Apr 2021

- Team program named Student Research Project in SCUT
- Authorized an invention patent titled "A Method for Achieving K-anonymity of Trajectory Data Release Based on Point Density Segmentation of Trajectories" (ZL 2021 1 0213797.3).

HONORS AND AWARDS

Honor

- University Merit Student, Academic Year 2018-2019 Oct 2019
- University Merit Student, Academic Year 2019-2020 Oct 2020
- University Outstanding Student Leader, Academic Year 2019-2020 Oct 2020

Scholarship

- Undergraduate Social Endowment Scholarship (SCUT Celera Technology and Innovation Scholarship), Academic Year 2018-2019 Nov 2019
- Undergraduate Social Endowment Scholarship (SCUT Wens Juncheng Scholarship), Academic Year 2019-2020 Nov 2020
- First-class Scholarship, 2020 "Hongping Evergreen Fund" College Students' Science and Technology Innovation Competition Jun 2021

Competition

- Meritorious Winner, 2020 Mathematical Contest in Modeling and Interdisciplinary Contest in Modeling (MCM/ICM) Apr 2020
- Third Prize, 2020 China Undergraduate Mathematical Contest in Modeling Sep 2020

CAMPUS ACTIVITY

Secretary, Class Youth League Branch

Sep 2019 – Jul 2022

- Handled class activities and matters related to Youth League.

Head of Resource Development Dept., SCUT Tencent Innovation Club

Jul 2019 – Oct 2020

- Undertook resource management, recruitment, PR, and external activities associated with Tencent.

Member of Design & PR Dept., SCUT DayDream Café

Oct 2019 – Jun 2020

- Operated the WeChat public account, designed posters, filmed events, and worked part-time in the Café.

TECHNICAL SKILLS

- **Programming Language:** Python, C/C++, JavaScript, HTML, CSS, Java
- **Developer Tools:** Visual Studio, VS Code, PyCharm, Jupyter Notebook, Matlab, Ros, Unity
- **Operating System:** Linux, macOS, Windows
- **Machine Learning framework:** TensorFlow, Pytorch
- **NLP and LLM framework:** Rasa, DialogFlow, Langchain
- **Virtual Machine:** Parallel Desktop, VMWare
- **Database:** MySQL

CAREER INTERESTS

Human-Computer Interaction, Human-Robot Interaction, Conversational Interfaces, AI, NLP, LLM, Digital Healthcare Support, Psychology, Computational Social Science

OTHER SKILLS

- **Language:** Chinese (First language), English (IELTS 7)
- **Hobbies:** Travel, Photography, Video production, Calligraphy, Crafting, Film appreciation