Tang Kaiyuan

Dream to become a full-stack user experience designer and software developer and contribute to a more inclusive and equitable world.

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Languages: Chinese (Native), English (IELTS 7.5)

Education & Awards

MSc. in Disability, Design, and Innovation, University College London (UK)   Sept 2024 - July 2025
- Personal focus: **AI-powered ability-based inclusive and accessible applications**

MSc. in Information Systems, Nanyang Technological University (Singapore)   Aug 2023 - July 2024
- **Top 10% Graduates**, GPA: 4.45 / 5
- Personal focus: **information science, human-computer interaction, UX/UI design, software engineering**

BSc. in Computing, **Macao Polytechnic University (Macao SAR.)**   Aug 2019 - June 2023
- **Top Graduate** (GPA 3.74 / 4)
- 2023 **IET Outstanding Student Prize**
- 2022/23 **Macao Foundation Scholarship**

Research & Project Experiences

Lab member, Prof Kwan's Human-AI Interaction Lab, NTU Singapore   May 2024 - Now
Research focus : Inclusive Information Retrieval and Visualization with AI Technologies
- Conducting literature reviews and application design on the topic of applying GPT to inclusive information retrieval and visualization.
- Highlights: large language models, human-AI interaction, UX design.

Team leader, Prof Chua's Critical Inquiry Research Project, NTU Singapore   Jan 2024 – Now
Research focus: Decoding Students' GPT Adoption Intention via Task Factors
- Proposed and validated a model of GPT adoption intention among college students on task-oriented factors.
- Highlights: information science, human-AI interaction, AI adoption in education.

First author, Conference Paper Published to IEEE ICDCSW 2023 (FiDeFix)   Aug 2022 - Apr 2023
Title: Fully On-chain Cloud Storage DApp on the Internet Computer Protocol
- Finished the literature review, research, design, and implementation of a cloud storage dApp based on the Internet Computer blockchain.
- Highlights: distributed computing, WEB3 application architecture, UX design, performance evaluation.

Group Leader, the Vein Project (stock market analysis framework)   July 2021 – Aug 2022
- Joint project with Xiamen University and Southern University of Science and Technology student groups,
- Highlights: versatile stock market data warehousing and analysis framework with Python and multiple data science libraries.

Internships

Front-end Developer, BluPurple Design Co., Ltd. (Macao)   Sept 2022 - Nov 2022
- Designed and implemented the UI for Macao Health Code with Typescript and Vue3 framework.
- Developed MPark: a React-Native application that provides parking information to drivers.

Project Assistant & Back-end Developer, HUB Information Service Co., Ltd. (Macao)   Sept 2021 - Jan 2022
- Involved in implementing an events and members management system for Macao's NGOs.
- Studied Strapi, an open-source content management system (CMS) framework, to help the company improve backend development efficiency.

Project Assistant, Talkweb Information System Co. Ltd (Guangzhou)   May 2021 - July 2021
- Participated in designing and constructing the smart campus system for the Yuncheng new Guangzhou Puiying Middle School campus with JavaEE.

Skills & Competence

- ✓ Skilled at working on Windows and Linux-like operating systems and remote servers.
- ✓ **Software Development**: capable of database design, software architecture analysis, network system operations, and project management; understanding distributed systems and modern web app design; master functional programming, object-oriented programming, and different design patterns. Familiar with using Git for version control.
- ✓ **Front-end Development**: capable of working with HTML / CSS / JavaScript, Typescript, Vue3, React, and other popular client-side development languages or frameworks.
- ✓ **Back-end Development**: capable of working with Gin (Golang), Django, FastAPI (Python), JavaEE (Java), and some other frameworks for server-side development; familiar with mainstream programming languages.
- ✓ **Interdisciplinary Ability:** systematically learned about psychology, business, and accounting; good sense of art.

-- I always believe that technology can build a better world --