

Lanjing Liu

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Research Interests

Design Education For Children And Youth: I earned extensive teaching experience with children and youth to help them understand, learn about design and develop other qualities or skills, e.g., empathy, sense of place, digital literacy.

User Research: I gained insight into the physical or psychological difficulties of special people (e.g. young women with bulimia, one-foot disabled people) by different methods and addressed their problems through design.

Co-Design: I worked with children and educators to design different design teaching tools, both online and offline.

Education

Tongji University , Shanghai, China	09/2020 - 06/2023 (expc.)
M.A. in Design History and Theory	
GPA:4.45 / 5.00, Advisor: Prof. Lei Zhang	
Jiangnan University , Wuxi, China	09/2016 - 06/2020
B.E. in Industrial Design	
Chiba University , Chiba, Japan	09/2018 - 02/2019
Exchange Student in Industrial Design	

Research Experience

Action Research On Promoting Youth Empathy Through Design Thinking Workshop

Research Center for Design Education and Pedagogy, Tongji University

2021.05-2021.09

Lead Researcher, team of 3, advised by Prof. Lei Zhang and Prof. Qi Wang

- Conducted three-cycle action research over four-month with a total of 40 children.
- Identified design requirements with children, educators through formative study and co-design.
- Designed and developed the DetectiveMap, a card-based teaching tool to promote children's empathy in design workshops or design activities.
- Implemented a preliminary user study with 12 children and their parents to examine the effectiveness of the tools.

A Study Of The Design Education Movement In The UK

Research Center for Design Education and Pedagogy, Tongji University

2021.11-2022.11

Researcher, team of 2, advised by Prof. Lei Zhang

- Collected and organized nearly 100 different documents - archival records, research reports, newspaper reports, speech and conference notes and articles discussing the entry of design education into general education in the UK.

- Outlined the twenty-year history of design into the UK general education led by Bruce Archer and Ken Baynes.
- Explored the initial reasons for and difficulties in pioneering the implementation of design in general education in the UK; how design research has effectively contributed to design in general education.

Teaching Experience

Designer Of Community

Summer 2022

Lecturer, Online Course, 9 Students, 2 Weeks

Shanghai Youth Institute of Design and Innovation

- Developed course syllabus and completed teaching independently.
- The syllabus and teaching tools will be implemented in some primary schools in Shanghai.

Detective In The Community

Summer 2021

Lecturer, Offline Course, 15 Students, 1 Week

Shanghai Youth Institute of Design and Innovation

- Led a teaching team to develop the syllabus, teaching tools and collaborate with the community.
- Conducted indoor and outdoor teaching activities with 15 children.

The 5th Shanghai Youth Innovation And Entrepreneurship Team Action

2021

Teaching Assistant, Online Course, 1 Month

Shanghai Youth Academy of Sciences

- Helped students to rethink and iterate on projects from a design perspective.
- Students' projects were exhibited at the China International Import Expo 2021.

Patents & Software Copyrights

Patents

A Sketch Recognition and Generation Method based on Raspberry Pi and Recurrent Neural Network. 2020.

China National Invention Patent. Application No. 202011322789.4

A Sentiment Analysis and Visualization Method Combining Video and Pop-Ups. 2019.

China National Invention Patent. Application No. 201910287517.6

Software Copyrights

Enterprise Network Opinion Analysis and Visualization Software. 2019.

China Software Copyright. Registration No. 2019SR0428088

Skills

Language: Native Chinese (Mandarin), Fluent English (IELTS 6.5)

Research: Interview, Survey, Participatory Design, Action Research, Thematic Analysis

Design: User Experience Design (Figma, Sketch), 3D Modelling and Rendering (Cinema 4D, Rhino 3D), Graphic Design (Adobe Products)