

YING LEI

ying_lei@sfu.ca ◇ Personal Website ◇ Google Scholar

EDUCATION

East China Normal University

2019 - 2023

Honors B.Eng. in Computer Science and Technology GPA: 3.51/4.00

Thesis: Interactive Storytelling Agents for Child Safety Education: Design, Implementation and Evaluation

Simon Fraser University

2024 - Now

Thesis-based MSc in Interactive Art and Technology GPA: 4.17/4.33

Supervisor: Carman Neustaedter, Committee Member: Alissa N Antle

RESEARCH EXPERIENCE

Shanghai Institute of AI Education, ECNU

2021-2023

Research Intern, Affective Computing, Social Computing

Advisor: Aimin Zhou, Yuling Sun

CSE, Hong Kong University of Science and Technology

2022

Research Intern, HCI Lab, Human-AI Collaboration

Advisor: Xiaojuan Ma

Institute of Software, Chinese Academy of Sciences

2023

Research Intern, HCI Lab, Interaction Design

Advisor: Teng Han

ACSP@Tsinghua University & University of Washington

2024

Research Intern, Human-centered AI, mHealth.

Advisor: Xuhai 'Orson' Xu

SIAT, Simon Fraser University

Now

Research Assistant, Connections Lab, Interaction Design.

Advisor: Carman Neustaedter

PUBLICATIONS

"AI Afterlife" as Digital Legacy: Perceptions, Expectations, and Concerns

Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (CHI '25 Honorable Mention)

Ying Lei, Shuai Ma, Yuling Sun, Xiaojuan Ma

FamilyCanvas: A Family Whiteboard Calendar Designed for Blended Families

Proceedings of 2025 Graphics Interface Conference (GI 2025 Poster)

Ying Lei, Neustaedter Carman

Unpacking ICT-supported Social Connections and Support of Late-life Migration: From the Lens of Social Convoys

Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)

Ying Lei, Shuai Ma, Yuling Sun

Are You Really Sure: Understanding the Effects of Human Self-Confidence Calibration in AI-Assisted Decision Making

Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)

Shuai Ma, Xinru Wang, Ying Lei, Chuhan Shi, Min Yin, Xiaojuan Ma

Understanding the Effects of Restraining Finger Coactivation in Mid-Air Typing: from a Neuromechanical Perspective

Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology (UIST '24)

Hechuan Zhang, Xuewei Liang, Ying Lei, Yanjun Chen, Zhenxuan He, Yu Zhang, Lihan Chen, Hongnan Lin, et al.

Who Should I Trust: AI or Myself? Leveraging Human and AI Correctness Likelihood to Promote Appropriate Trust in AI-Assisted Decision-Making

Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23)

Shuai Ma, Ying Lei, Xinru Wang, Chengbo Zheng, Chuhan Shi, Ming Yin, and Xiaojuan Ma

OPO-FCM: A Computational Affection Based OCC-PAD-OCEAN Federation Cognitive Modeling Approach

IEEE Transactions on Computational Social Systems (IEEE TCSS '23)

Feng Liu, Han-Yang Wang, Si-Yuan Shen, Xun Jia, Jing-Yi Hu, Jia-Hao Zhang, Xi-Yi Wang, Ying Lei, et al.

LDM-EEG: A Lightweight EEG Emotion Recognition Method Based on Dual-stream Structural Scaling and Multiple Attention Mechanisms

Computer Science (Chinese Core Journal) 2023

Ying Lei, Feng Liu

SELECTED PROJECTS

Mind Catcher-Affective Computing based Edge-side Music Therapy System	2021 - 2022
Project Leader, design AI-assisted interactive systems (website/mobile/embedded)	
National Key Fund (Rank: 3/667); Competition Prizes-National*3, Provincial*3, University*2.	
JianZhen Net-Blockchain based Trusted Database System for China and Japan	2020 - 2021
Project Member, front-end website development (Vue.js)	
Provincial-level Enterprise Project; Provincial-level prize*1.	

SELECTED HONORS AND AWARDS

SFU Graduate Fellowship	2025
SFU FCAT Graduate Fellowship	2025
ACM CHI Best Paper Honorable Mention (Top 5%)	2025
ACM CHI Special Recognition for Outstanding Review	2025
Gary Marsden Travel Awards	2024
Shanghai Outstanding Graduates Award (Rank 1/117)	2023
Huaxin Scholarship (Top 1%)	2022
East China Normal University Outstanding Student Scholarship	2020-2023
National Inspiration Scholarship	2020-2023
International Honorable Mention in Mathematical Modeling Contest (MCM/ICM)	2021
National 2nd Prize in Outsourcing Innov.& Ent. Competition (Top 1%)	2022
National 2nd Prize in Computer Design Competition	2022
National 3rd Prize in ICT Competition - Innovation Track	2021
National Eastern Region 1st Prize in Outsourcing Innov.& Ent. Contest	2022
Provincial 2nd Prize in Undergraduate Mathematical Modeling Contest	2022
Provincial 3rd Prize in 'Lan Qiao Cup' of C/C++ Programming	2021

SKILLS

Research Foundation

- Qualitative: interview; grounded theory, thematic analysis
- Quantitative: survey; statistical methods; analysis tools (Jupyter Notebook, Matlab)
- Mixed Method: explanatory, exploratory, experimental

Human-centered Design and Development

- Methodology: autobiographical, user-centered design
- Prototype: Sketching, Storyboard
- Build-Software: website (HTML, CSS, JS, Flask), mobile (Kotlin), visualization (P5.js)
- Deploy-Hardware: PC, Android, embedded system (e.g., Raspberry Pi, Atlas 200dk)
- Sensors: physical (e.g., IMU), psychological (e.g., EEG, fNIRS)

Algorithm

- Programming Language: Python, C/C++, Java, etc.
- Basic Knowledge: data structure, algorithm design
- Artificial Intelligence: machine learning, PyTorch-based deep learning (e.g., CV, NLP, time-series signals)

Language: Native Chinese, Fluent English - IELTS 7.0, Limited French

ACADEMIC AND SOCIAL SERVICES

Reviewer of CHI '23 '25, CSCW '25, IMWUT '25, ACM Health
Volunteer of the Shanghai Xingjia Organization in tutoring for the disabled children (2021-2022)