

Long Ling

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Education

Tongji University

Master of Interaction Design, College of Design and Innovation, GPA: 3.91/4, 93/100

- Courses: Interaction Design (95), Collaborative Design (95), Open Design (97), Algorithm Design (98)
- Advisor: Prof. Nan Cao

2023.09 - Present

Shanghai, China

Soochow University

Bachelor of Computer Science and Technology, GPA: 3.8/4, 90/100, top5%

2019.09 - 2023.06

Suzhou, China

- Courses: Advanced Mathematics (95), C++ Programming (98), Probability and Statistics (92), Algorithm Design (92), Linear Algebra (91)

Work Experience

ByteDance Ads Infra - ML Infra

FE Engineer Intern, serving as a developer for multiple platforms.

2022.10 - 2023.04

Hangzhou, China

- Developed platforms to support advertising materials management, data mining, sample modeling, feature engineering, etc. For example, web online compiler and file management for advertising recall, lineage diagrams for advertising features, and tag management for advertising materials.
- Tools: used **Figma** for website design, and used **React + TypeScript** for development.
- Highlight: collaborated across **5** teams, maintained a total of **8** advertising platforms, of which **3** were independently developed from scratch. These platforms provide advertising services for **all** the ByteDance's products to help achieve **tens of billions** of dollars in revenue.

Microsoft M365

2022.07 - 2022.10

Software Engineer Intern, optimizing the monitoring platform.

Suzhou, China

- Utilized tools and the visualization panel to identify solutions for reducing latency. Embedded time logger tool to monitor web latency and success rate of APIs. Added a visualization panel to display the collected data.
- Tools: The front-end used **React** class components, the back-end used **.NET + C#**, and the database was **Microsoft SQL Server**.
- Highlight: helped the team identify issues related to re-rendering and long request times for chart data. by optimizing component lifecycles, reduced rendering latency by **20%**.

Microsoft M365

2021.07 - 2021.10

Software Engineer Intern, assisting in the construction of various basic services.

Suzhou, China

- Improved XAM ARM deployment template diagnostic process. A script was written based on the JSON tree comparison algorithm for determining consistency, displaying the differences between various templates.
- Adopted the **Bot Framework SDK**, added custom components to the chat robot. Embed the chat robot in Teams, allowing developers to quickly obtain the required monitoring information through Teams conversations.

Publications

Future Calling: Generative AI-based System for Exploring and Prototyping Career Choices

2025

X Zeng, X Chen, R Wen, L Ling, X Chang, S Liu, K Fu, R William, R LC , (In Submission)

IJHCI

"Beyond the Crystal Ball": Engagement and Perception of GenAI-based Fortune-Telling in Chinese User Communities

2025

L Ling, X Zheng, B Zhou, R LC, (In Submission)

CSCW

EmotiCrafter: Text-to-Emotional-Image Generation based on Valence-Arousal Model

2025

Y He, S Dang, L Ling, Z Qian, N Zhao, N Cao

ICCV

Brain Cache: Generative AI as a Cognitive Exoskeleton for Externalizing, Structuring, and Activating Knowledge

2025

L Ling

CHI Workshop

"An image of ourselves in our minds": How College-educated Online Dating Users Construct Profiles for Effective Self Presentation	2025
F Zhang, Y Chen, X Zeng, T Wang, L Ling, R LC	CSCW
LIFEELING: A "Detox" Metaphor-Based Fitness Tracking and Reminder Device Designed for Elderly	2024
L Ling, X Zheng, J Pan, H Chen, Y Diao, G Liu	CSCW
Sketchar: Supporting Character Design and Illustration Prototyping Using Generative AI	2024
L Ling, X Chen, R Wen, J Li, R LC	CHI Play
FLOW: Filtering and LSTM-based Optimization for Web Browser Interactions	2023
D Pan, Z Li and L Ling, G Fei	CHCHI

Research Experience

Intelligent Big Data Visualizaiton Lab	2024.03 - Present
Advisor: Nan Cao, Tongji University	Shanghai, China
○ Project: Attention Reminder Hat for ADHD	Led the conception, design, and development of constructing a system that collects EEG signals, classifies attention using a CNN-LSTM Model, and conducts vibration alerts.
○ Project: Survey for Generative AI Tools.	Research Creative AI tools papers, categorize and summarize them.
○ Project: Algorithm for Generating Emotional Images.	Participated in the training of an image-generated model based on stable diffusion and the Valence-Arousal Model.
Studio for Narrative Spaces	2023.06 - Present
Advisor: Ray LC, City University of Hong Kong	Hongkong, China
○ Project: Generative Tool for Character Design.	Participated in the design and implementation of a website that uses ChatGPT and DALL·E to help users interactively design game characters.
○ Project: Carbon Copy Dating.	Participated in the design and implementation of a website, using GenAI to generate fake agent profiles, and conducting exhibitions to reflect on AI false information.
Future Lab	2023.09 - 2024.03
Advisor: Haipeng Mi, Tsinghua University	Beijing, China
○ Project: Build Agent Workflow Platform OZ bot.	Participated in the implementation of a platform using React Flow to provide agent workflow building.
Center for Digital Innovation	2022.12 - 2024.03
Advisor: Xiaohua Sun, Weiwei Guo, Tongji University	Shanghai, China
○ Project: Deep Brain Stimulation Surgeries Digital-twin System.	Implemented the system, including modeling the brain nuclei with Unity, embedding WebGL to achieve bidirectional communication.
○ Project: Doctor Digital Human Remote Diagnosis System.	Participated in preliminary paper research and digital human design, and conducted research about face and body animation of the digital human.
Spot Research Group	2023.06 - 2023.09
Advisor: Steve Oney, University of Michigan	Ann Arbor, USA
○ Project: Gamma.	Participated in the design and implementation of a VS Code plugin that uses AI tools such as ChatGPT to help users interactively learn programming language syntax.

Selected Honors and Awards

- Excellent Master scholarship in Tongji University (**Top 2%**)
- Academic Excellence Scholarship in Soochow University (**Top 4%**)
- Academic Pacesetter in Turing Class(**Top 3%**)
- American New Concept Design Art Award (**Second Prize**)
- Mathematical Contest In Modeling (**Meritorious Winner, Top 7.5%**)
- National Computer Design Competition (**Third Prize**)

Skills

- Skills: PRD Writing, UI/UX Design, Data Analysis, Full-stack Development, English(CET-6)
- Tools: Figma, React, Flask, Blender, WebGL, Unity, BambuStudio, MySQL, LaTeX, Coze, LLMs
- Programming Language: JavaScript/TypeScript, Python, HTML, CSS, Arduino, C++, Java