Junxiao (Dante) Long

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LinkedIn: https://www.linkedin.com/in/junxiao-long/
Portfolio: https://dantelong-neo.github.io/Dante-s-Website/

EDUCATION

Georgia Institute of Technology **Expected 2026**
Master of Human-Computer Interaction *Atlanta, GA*
User Experience research; XR design & development; Health Informatics; Neuro-interaction

Tsinghua University **July. 2024**
Master of Architecture *Beijing, China*
GPA: 3.98/4.0; *Salutatorian*; Environmental Behaviour Study; Post-Occupancy Evaluation; Neuro-architecture

Tsinghua University **July. 2023**
Bachelor of Architecture *Beijing, China*
GPA: 3.91/4.0; *Summa Cum Laude*; President's List; Outstanding Graduate of Beijing

CERTIFICATIONS & SKILLS

- **Certifications:** CITI Responsible Conduct of Research Certificate; CITI Human Research Certificate
- **Research:** Quantitative User Research; Qualitative User Research; Usability Test; Behavior Evaluation; Data Analysis; Ergonomics; Bio-data Analysis; EEG; Eye-tracking; Focus Group Interview; Diary Study; Heuristic Evaluation; E-prime
- **Creative:** UX Design; Human-Centered Design; Data Visualization; Figma; Miro; Adobe Suite; Tableau; Rhino; Unity; AutoCAD
- **Programming:** Python(Advanced); C#(Intermediate); MATLAB(Intermediate); HTML/CSS/Javascript

EXPERIENCE

Architectural Design & Research Institute of Tsinghua University (THAD) **Feb. 2022 – June. 2023**
Intern Architect *Beijing, China*
- Conducted independent UX research, field observations, and competitive analysis on 10 cases in Beijing and utilized Rhino, AutoCAD, Adobe Suite, Microsoft Office to present findings to clients, providing actionable insights to drive design decisions
- Assisted the PM in conducting field research on 18 projects in Hangzhou, specifying 5 design strategies based on user needs and competitive analysis by Microsoft Office and Adobe Suite, leading to more effective design proposals

OPEN Architecture (www.openarch.com) **July. 2023 – Oct. 2023**
Intern Architect *Beijing, China*
- Led the integration of design materials to produce 3 presentation documents using Rhino, Microsoft Office, and AutoCAD, as well as 2 multimedia videos with Adobe Suite, earning direct commendation from the client

PROJECT

Tech Support Kiosk, COX Enterprises **Aug. 2024 – Present**
Primary User Researcher and Designer *Department of Human-Computer Interaction, Georgia Institute of Technology*
- Led a team of 4 to conduct 8 semi-structured interviews and 18 qualitative surveys in 1 week, uncovering user behaviors in kiosk services; utilized Google Spreadsheets and Figma for affinity model development, delivering 5 design requirements
- Utilized AutoCAD, Adobe Suite, and Figma to assess the ergonomics of the kiosk and developed a visual and touch interaction accessibility grid system for the desktop UI, rated as 'Accessibility-Friendly' by 84.6% of users in usability testing
- Conducted benchmark usability tests with 32 participants using eye-tracking technology to quantify evaluation of cognitive load and visual attentions, demonstrating 89.76% effectiveness of usability

RESEARCH

Cognitive Load Study on University Recreational Centers **Sep. 2023 – May. 2024**
Primary Quantitative User Researcher *School of Architecture, Tsinghua University*
- Refined and simplified PAD, SD, and NASA-TLX scales for evaluation based on the Cognitive Load model; collected and analyzed 306 survey responses in 3 months, contributing 50% of the supporting data for evaluation conclusions
- Conducted user testing sessions with 42 participants in the Cave VR environment in 3 days, analyzing user behaviors using eye tracking, EEG, ERP, and E-Prime to quantify user cognitive load and experience journey maps in spatial design
- Processed and analyzed user behavioral and physiological data using Python and MATLAB, and presented a 212-page document report and a 61-page presentation deck to PI. using Microsoft Office independently

Intelligent Programming and Post-Evaluation Technologies of Large Constructions **May. 2022 – 2024**
Junior Quantitative User Researcher Assisting PI. *National Key Lab, Tsinghua University*
- Invented a 3-tiered prompt method for text input in Gen-AI tools and wrote a patent disclosure document for patent application
- Conducted usability testing with 34 participants for the invented method using eye tracking, EEG, EDA, and the PAD scale, and performed data analysis using MATLAB and Python

PATENT & PUBLICATION

- Gao, X., Geng, Y., Spengler, J. D., Long, J., Liu, N., Luo, Z., Kalantari, S., & Zhuang, W. (2025). Evaluating the impact of spatial openness on stress recovery: A virtual reality experiment study with psychological and physiological measurements. *Building and Environment*, *269*, 112434. https://doi.org/10.1016/j.buildenv.2024.112434
- Junxiao, L.; Ercument, G. (Pending). *Method, Device, Electronic Apparatus, and Storage Medium for AI-Generated Architectural Scenes* (CN. 202311280838.6). China National Intellectual Property Administration.