

YUNTIAN HOU

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EDUCATION

Peking University

Bachelor of Arts in History

Beijing, China

Sep 2022 – Jul 2026 (*Expected*)

- Relevant Coursework: Modern Chinese History, Python for Data Analysis, Applied Statistics, Visualizing China

Aoyama Gakuin University

Exchange Program

Tokyo, Japan

Mar 2024 – Jul 2024

EXPERIENCE

Microsoft – Developer Division (STCA)

Strategic Analysis Intern

Suzhou, China

Nov 2025 – Feb 2026

- Conducted developer interviews, workflow analysis, and tool comparison on AI-native development environments (e.g., Cursor, Trae) to document shifts in everyday coding workflows.
- Analyzed session-level telemetry from Copilot onboarding to identify patterns of friction, resistance, and non-use, using behavioral data to locate tensions between automated assistance and developer control.
- Translated observed developer practices and organizational constraints into functional requirements for enterprise AI plugins, aligning system design with real-world professional contexts.

Deloitte China – Technology & Transformation

Consulting Project Intern

Beijing, China

Aug 2025 – Nov 2025

- Investigated the integration of fragmented user and vehicle telematics data into a Customer Data Platform (CDP) for a new EV brand, focusing on how shared data visibility supports cross-team collaboration.
- Defined atomic-level KPI metrics and data standards (e.g., in-vehicle engagement, service penetration) to support a shift from channel-based reporting toward user-centered analysis.
- Reviewed and restructured Application Lifecycle Management (ALM) workflows to reduce cross-departmental friction and align pricing logic with technical system implementation.

MEDIA PROJECTS

PKU Affective Map

Participatory Mapping & Civic Media System

Sep 2025 – Present

- Designed a participatory mapping prototype that collects students' memories and emotions as a form of local knowledge alongside official campus representations.
- Led and facilitated on-campus drawing workshops where participants mapped the university from memory, producing hand-drawn maps that document patterns of attention, omission, and attachment.

Walking the Beijing Commute

Embodied Urban Inquiry / Method Project

Jan 2025

- Traced a 20km daily subway commute on foot as an embodied research method to examine what institutional urban mobility data captures and overlooks.
- Documented the walk through video and photography to identify experiential gaps between modeled movement and lived urban experience.

Tokyo Street Photography

Visual Research Practice

Mar 2024 – Aug 2024

- Conducted a sustained visual research practice during an academic exchange in Tokyo, focusing on everyday public space, infrastructure, and bodily presence.
- Used repeated observation and editorial sequencing to analyze recurring situations and spatial routines in urban life.

ADDITIONAL PROJECTS

ScholarScout

Independent Developer — Academic Information Systems

Oct 2025 – Dec 2025

- Built an AI-assisted academic information aggregation system to support PhD applicants in identifying potential supervisors, tracking recent research directions, publications, and lab updates for targeted outreach.
- Supported 50+ graduate applicants by reducing faculty research discovery time from approximately 2 hours per institution to under 5 minutes; partnered with local study-abroad agencies to integrate the system into advisory workflows.

Visualization of Tang Dynasty Poets

Historical Data Modeling & Visual Analysis

Mar 2025 – Jul 2025

- Designed a visual analysis system based on *Complete Tang Poems* to examine imagery patterns, thematic emphasis, and relational structure across poets
- Translated historical research questions into data representations to support interpretive visualization and comparative reading

Cardiovascular Risk Prediction

Data Analysis & Predictive Modeling

Mar 2025 – Jun 2025

- Analyzed large-scale public health datasets to examine relationships among demographic, behavioral, and clinical risk factors
- Compared statistical and machine learning approaches with attention to interpretability and modeling limitations

SKILLS

Computational Practices: Python, SQL, data preprocessing

AI-Supported Prototyping: OpenAI Codex, Claude Code

Media & Interaction: participatory mapping, geospatial annotation, interface prototyping (Figma), p5.js

Research Methods: archival research, qualitative analysis, workshop facilitation

Languages: English (Fluent), Chinese (Native), German (Basic)