

# YUNTIAN HOU

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## EDUCATION

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### 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

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### 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

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### 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

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### ScholarScout

*Independent Developer — Academic Information Systems*

*Oct 2025 – Dec 2025*

- Designed an AI-supported information system for academic identity verification, addressing ambiguity in faculty names, affiliations, and publication records
- Developed a contextual matching workflow integrating disciplinary context, institutional metadata, and publication history to resolve same-name conflicts across academic fields

### 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

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**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)