

# Hongxin Fu

📅 April 24th, 2001    ✉️ aprilf@mail.bnu.edu.cn    🔗 april-fu.com

## Education

<b>MFA in Artistic Design (Digital Media Art)</b> <i>Beijing Normal University</i> GPA 3.7 / 4.0	August 2023 – present Zhuhai, China
<b>BEng in Software Engineering</b> <i>Zhejiang Gongshang University</i> GPA 85.36 / 100	August 2019 – July 2023 Hangzhou, China

## Languages

**English**  
IELTS 7.5 ( L 8.0 | R 9.0 | W 6.5 | S 6.5 )

## Experience

<b>Research Assistant</b> <i>The Hong Kong University of Science and Technology (Guangzhou)</i> Supervisor: Prof. Yanlin Zhang <a href="#">🔗</a>	September 2025 – Present Guangzhou, China
<b>Visualization Designer and Developer</b> <i>HCI+ Program</i> Supervisors: Prof. Xiaoyu Zhang(CityuHK) <a href="#">🔗</a> and Prof. April Yi Wang(ETH Zürich) <a href="#">🔗</a>	June 2025 – Present remote
<b>Visiting Research Student</b> <i>The Hong Kong University of Science and Technology (Guangzhou)</i> Supervisor: Prof. Yanlin Zhang <a href="#">🔗</a>	April 2025 – August 2025 Guangzhou, China
<b>Language Program</b> <i>University of Pennsylvania</i> Cross-cultural Communication and Leadership Development	September 2019 – October 2019 Philadelphia, USA

## Publication

<b>LitRank: An Interactive Tool for Ranking and Field Inference in Literary Data</b> <i>Hongxin Fu, Ning Zhang, Chengtao Ji, Lijie Yao, Wei Li*</i> 2025 7th International Conference on Software Engineering and Computer Science (CSECS)	February 2025
<b>Notrix: Understanding Machine Learning Solutions in Computational notebooks at Scale (Under review)</b> <i>Xiaotian Su, Hongxin Fu, Xiaoyu Zhang, April Yi Wang*</i> The ACM CHI conference on Human Factors in Computing Systems 2026	September 2025
<b>ST-Refinery: Visual Diagnostics and Interactive Reclustering for Spatial Transcriptomics (In process)</b> <i>Hongxin Fu, Junning Feng, Yanlin Zhang*</i>	Present
<b>GenomeTuner: Visual Analytics for Base Editing and Interactive Interpretation (In process)</b> <i>Hongxin Fu, Yusen Hou, Yanlin Zhang*</i>	Present

## Posters

<b>Escaping Dementia: Early Warnings from Protein Indicators</b> <i>Hongxin Fu, Wei Li*</i> The 12th China Visualization and Visual Analytics Conference (Chinavis) poster	July 2025
<b>Escaping Dementia: Early Warnings from Protein Indicators</b> <i>Hongxin Fu, Wei Li*</i> The Information is Beautiful Award 2024 - Longlist	August 2024

Searching for Patterns in the Forbidden City - AIGC interactive exploration experience based on the window lattice of the Forbidden City Yiyu Fang, Zihong Zhao, Vivian Huang, Hongxin Fu The First Global Heads Forum in Education and The Inauguration Conference of The Global Alliance of Educational Leaders and Department Heads (GAELDH) 2024	November 2024
--	---------------

## Awards

---

Short-Term Exchange Program Group Scholarship	December 2019
Outstanding Capability Scholarship (2021-2023)	May 2023
Academic Excellence Scholarship - First Class	October 2024
Zhejiang Provincial Student Service Outsourcing Innovation and Application Competition - First Prize (2/5)	May 2022
International User Experience Innovation Competition (UXD Award) - Second Prize & Best Development Application Award (3/5)	September 2024
KAN TAI-KEUNG DESIGN AWARD-UI design (Student group) - First Prize (3/3)	November 2024

## Projects

---

<b>Children's Book on Forbidden City Architecture</b> <i>Interaction Design and Development</i> <ul style="list-style-type: none"> <li>• <b>Geometric Gestures: Interactive Patterns</b> - Abstracted patterns from the Forbidden City into geometric shapes and designed gesture-based interactions using Google MediaPipe; performing the gestures triggers animations introducing the patterns.</li> <li>• <b>Searching for Patterns in the Forbidden City</b> - Based on above one, this project is connected to the Stable Diffusion web UI, using ControlNet's Canny edge detection to transform user photos into line drawings, merging them with pattern images to generate new visuals.</li> <li>• <b>Explore the Forbidden City</b> - Developed a mini-program where users explore a hand-drawn map of the Forbidden City. Moving a circular lens reveals detailed color sections and triggers exploration tasks on specific buildings.</li> </ul>	October 2023 – August 2024
<b>AI Teaching Assistant - Innovative practical application of class management and home-school communication</b> <i>Developer</i> <ul style="list-style-type: none"> <li>• <b>Project Description:</b> This project helps teachers streamline class management and home-school communication with AI, reducing their workload and after-hours time. It enables parents to quickly access their child's school information, saving time searching in parent groups.</li> <li>• <b>Responsibilities:</b> Developed a mini-program based on the prototype and integrated it with Baidu's Wenxin Qianfan model API to answer users' questions using chat records from a home-school notification group.</li> </ul>	July 2024 – October 2024

## Exhibitions

---

<b>Fluid Soundscapes: Touching kandinsky</b> <i>Dawn of a Century: An Exhibition of Avant-Garde Art from the Russian State Museum</i> Jiaying Fu, Hongxin Fu, Tiange Zhou*	December 2024 – April 2025 Chengdu Art Museum
<b>Geometric Gestures: Interactive Patterns</b> <i>Technology Lights up Traditional Culture: Beijing Normal University School of Future Design PBL Project Exhibition</i> Hongxin Fu, Tianyue Gong, Hejia Chen	August 2024 – August 2025 Zhuhai
<b>Fluid Soundscapes: Touching kandinsky</b> <i>Innovative Horizons: A Showcase of Design Excellence</i> Jiaying Fu, Hongxin Fu, Tiange Zhou*	June 2024 China Cultural Centre in Singapore
<b>Fluid Soundscapes: Touching kandinsky</b> <i>HarvardXR conference 2024 showcase</i> Jiaying Fu, Hongxin Fu, Tiange Zhou*	April 2024 online