

KAI HU

Master of Science (Purdue University, USA)

Master of Fine Arts (Purdue University, USA)

B. Arch (Hunan University, China)

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 [LinkedIn Profile](#)

■ MY JOURNEY

I am an architect turned UX/UI designer, working across multiple disciplines in user experience and user interface design, product design, architecture and interior design. I am keenly interested in crafting useful and delightful user experiences for the products and services that empower people's productivity and creativity.

With six years' experience in architecture design industry at award winning international companies and small innovative design firms, I worked in projects across the United States, China, Singapore, Malaysia, Indonesia, Vietnam, and India, spanning various project typologies and work stages.

From 2014 to 2017, seeking to expand my design field and horizon, I pursued two master's programs at Purdue University, bridging my interests in Scientific Data Visualization, Human-Centered Design and Interaction Design. Currently I am working as a UX Architect at Environmental Systems Research Institute (Esri) for the flagship product ArcGIS Pro.

Being fascinated by the internet of things (IoT), I enjoy experimenting with interactive stuff using Arduino and Raspberry Pi in my spare time.

■ EDUCATION

Master of Science (Data Visualization & Human Centered Design)

The Department of Computer Graphic Technology, Purdue University, USA (2014 - 2017)

Master of Fine Art (Interaction Design)

The Department of Art and Design, Purdue University, USA (2014 - 2017)

Bachelor of Architecture

College of Architecture, Hunan University, China (2003 - 2008)

■ RESEARCH INTERESTS

- User Experience Research & Design
- User Interface Design & Development
- Data Visualization
- Product Design
- Accessibility/Inclusive Design
- Design Systems
- Design Process Management

■ TECHNICAL SKILLS

Code (programming languages)

- HTML5, CSS3, Bootstrap, XML, JSON
- Javascript, jQuery, jQueryUI, AngularJS, D3.js
- PHP, MySQL

2D (graphic, prototyping, mind mapping, data analytics & visualization)

- Adobe Creative Cloud – Photoshop, Illustrator, InDesign, Premiere
- Axure, Balsamiq, Sketch, InVision, Justinmind
- Mindjet, Coogler, ATLAS.ti,
- Tableau, ArcGIS Pro

3D (modeling & rendering)

- AutoCAD, Revit, SketchUp, 3D Studio Max, Rhino, Grasshopper, Keyshot, V-ray

■ PROFESSIONAL EXPERIENCE

User Experience Architect

- [Esri](#) (Sep 2017 – Present)
- Redlands, California, USA
- Responsibilities:
 - o Researched, designed and developed ArcGIS Pro Design Guide website, and drafted UX design pattern topics for the site to help product engineers and developers to make informed decisions to ensure system level design consistency and user experience
 - o Researched and designed ArcGIS Pro's building scene layer user experience that brings 3D building content (Architecture, Engineering and Construction) into GIS environment for visualization and analysis purposes
 - o Facilitated design studio sessions with cross-development teams to brainstorm new functionality ideas in the ArcGIS Pro platform
 - o Planned, organized and conducted user studies in Esri's User Conference, Developer Summit and Federal User Conference

Graduate Assistant

- [Purdue University - The Graduate School](#) (May 2017 – Aug 2017)
- West Lafayette, Indiana, USA
- Responsibilities:
 - o Re-designed Purdue University Graduate School's funding website
 - o Created graphics and templates for Graduate Student Professional Development training presentations

Research Assistant

- [Purdue University – The Department of Computer Graphics Technology](#) (Aug 2016 – Dec 2016)
- West Lafayette, Indiana, USA
- Responsibilities:
 - o Worked on the [Eli Lilly and Company](#) sponsored data visualization research project related to diabetes

Teaching Assistant

- [Purdue University – The Department of Art and Design](#) (Jan 2015 – May 2017)
- West Lafayette, Indiana, USA
- Responsibilities:
 - o Instructed nine AD 106 - 3D Fundamental Design courses (Design Studio and Computer Lab)
 - o Prepared course instruction materials and graded students' design projects
 - o Organized student work exhibition for the Corrugated Chair project

Web Programmer

- [Purdue University – Center on Aging and the Life Course \(CALC\)](#) (Sep 2014 – May 2017)
- West Lafayette, Indiana, USA
- Responsibilities:
 - o Improved CALC website front-end user interface design
 - o Maintained CALC website back-end content management system
 - o Created graphic designs for CALC website content

User Experience Architect (Intern)

- [Esri](#) (May 2016 – Aug 2016)
- Redlands, California, USA

- Responsibilities:
 - o Conducted user experience research and design for ArcGIS Pro Design Guide System
 - o Facilitated ArcGIS Pro user study in Esri User Conference (UC2016), and prepared user study report

Architecture Designer

- [Broadway Malayan](#) (Oct 2010 – Aug 2014)
- Singapore
- Responsibilities:
 - o Architecture design, presentation, client meeting & site coordination
- Completed Projects:
 - o Sudirman Tower Architecture Design, Jakarta, Indonesia
 - o KL Sentral To Muzium Negara MRT Station Walkway, Kuala Lumpur, Malaysia
 - o Tower 9, part of CIBIS Business Park, Jakarta, Indonesia
 - o Kebon Melati Mixed-use Development, Jakarta, Indonesia
 - o Twenty-Twenty Resort, Pecatu, Bali, Indonesia
 - o Radisson Park Inn Hotel, Bhiwadi, India
 - o Bhartiya City, Bangalore, India
 - o OPC EXIM, Ho Chi Minh, Vietnam
 - o Danang WTC Retail Mall, Danang, Vietnam
 - o Danang WTC Office Building, Danang, Vietnam
 - o Double Tree Hilton Hotel, Hyderabad, India
 - o Plaza Medini, Johor, Malaysia
 - o Nanjing Lucky Plaza Retail Mall, Nanjing, China

Design Architect

- [IPI7: WORKSHOP](#) (Oct 2009 – Sep 2010)
- Singapore
- Responsibilities:
 - o Architecture design, presentation, client meeting & site coordination
- Completed Projects:
 - o 84 & 84A Surin Ave Semi-Detached House, Singapore
 - o arccOffices at Straits Trading Building, Singapore
 - o Starhub – Bugis Junction & Nex Shopping Mall, Singapore
 - o Kingsgrove Condo, Singapore
 - o 84 & 84A Surin Ave Semi-Detached House, Singapore

Architecture Designer

- [AS. Architecture-Studio](#) (Jul 2008 – Sep 2009)
- Shanghai, China
- Responsibilities:
 - o Architecture design, presentation, & client meeting
- Completed Projects:
 - o Tibet Natural Science Museum, Lhasa, China
 - o Chongqing International Convention & Exhibition Center, China
 - o China Life Insurance R&D Center Planning & Architecture Design, Beijing, China
 - o Zhangjiang Creative Office Park, Shanghai, China
 - o Wuxi Performing Arts Center, Wuxi, China
 - o Chunghwa Line production plant, SHANGHAI Tobacco (Group) Company, China

■ PUBLICATIONS

Hu, K. (2017). *Mindwriter: An Integrated Word Processing Environment for Academic Writing* (Doctoral dissertation, Purdue University).

Wei, S., Hu, K., Cheng, L., Tang, H., Du, W., Guo, C., ... & Chen, Y. V. (2015, October). CrowdAnalyzer: A collaborative visual analytic system. In *Visual Analytics Science and Technology (VAST), 2015 IEEE Conference on* (pp. 177-178). IEEE.

Tang, H., Pan, C., Yu, B., Du, W., Wei, S., Li, M., ... & Li, X. (2015, October). [COMM] gregater: A toolset for temporal communication patterns and dynamic network structure. In *2015 IEEE Conference on Visual Analytics Science and Technology (VAST)* (pp. 173-174). IEEE.

■ VOLUNTEER EXPERIENCE

Volunteer at Hunan Provincial Museum

- [Hunan Provincial Museum](#)
- Changsha, Hunan Province, China (Sep 2005 – May 2008)