

# Elvin (Mingpu) Hu

Master Student at Keio University.

Previously Senior Designer and Design Lead at Google.

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## Research interests

Intent-aware and intelligent interfaces, implicit-signal interaction, foundational interface structures, generative and personalized UI, accessibility

## Education

**Keio University Graduate School of Media Design (KMD)** 2025 – 2027

Yokohama, Kanagawa, Japan

Master of Media Design

Advisors: Mauricio Sousa, Kouta Minamizawa

**The Cooper Union for the Advancement of Science and Art** 2017 – 2020

New York, NY, United States

Bachelor of Fine Arts

GPA: 3.67

**Washington University in St. Louis** 2015 – 2017

St. Louis, MO, United States

Coursework toward the Bachelor of Fine Arts in Communication Design and the Bachelor of Arts in Music; transferred to The Cooper Union

GPA: 3.67; Dean's List, 3 semesters

## Publications

### Peer-reviewed conference papers

**Ito: Real-time Browser Tab Orchestration Through Intent Detection** 2026

Elvin Hu, Jasmine Sumpter, Takatoshi Yoshida, Mauricio Sousa, and Kouta Minamizawa.

*Proceedings of the 39th Annual ACM Symposium on User Interface Software and Technology (UIST '26)*,

Detroit, MI, USA. ACM. Accepted.

### Granted patents

**Display screen or portion thereof with transitional graphical user interface** 2023

US Patent D1098139. Filed August 2023; granted October 2025. Assignee: Google LLC.

Covers the generative interface companion for mobile browsing.

**Display screen or portion thereof with transitional graphical user interface** 2023  
US Patent D1098140. Filed August 2023; granted October 2025. Assignee: Google LLC.  
Covers the generative interface companion for mobile browsing.

### Pending patents

**Tab grouping for an application** 2024  
US Publication 2025/0068305. Filed August 2024. Shipped as Auto Tab Group.

**Compose assistant manager for an application** 2024  
US Publication 2025/0068833. Filed August 2024. Shipped as Help Me Write.

**Systems and methods for utilizing generative models to generate a personalized interactive summary of content** 2023  
US Publication 2025/0190719. Filed December 2023.  
Productionized as Daily Listen in the Google Search app.

### Defensive publication

**Automatic personalization of user interfaces based on user interaction analytics** 2021  
On-device personalization from user behavioral signals; shipped as Adaptive Toolbar Shortcut.

## Experience

**Embodied Media Lab, Keio Media Design** 2026 – Present  
*Tokyo, Japan. Advisors: Mauricio Sousa, Kouta Minamizawa.*

- **Implicit-signal interaction.** Research on interfaces that make sense of behavior a person is not deliberately producing.
- **Methods.** Systems engineering, field deployment studies, and autoethnography.

**Google – Design Lead (Senior Designer), Chrome** 2023 – 2024  
*San Francisco, California, United States. Design Lead.*

- **Chrome GenAI Innovation and Coherence.** Initiated and led the workstream. Built a focused short-term roadmap with leads and partners across Google and brought it to life with feature designers, shipping Chrome’s first four Gemini-powered features: Help Me Write, Auto Tab Groups, and Create Theme with AI, and Gemini in Omnibox.
- **Long-term GenAI vision.** Drove a prototyping effort exploring Chrome’s direction, and represented Chrome in the Google AI Studio, the cross-team group responsible for AI consistency across Google products.

**Google – Design Lead (UX Designer III), Chrome** 2021 – 2023  
*San Francisco, California, United States.*

- **Chrome on Android.** Lead designer for a browser serving 2.5 billion users, responsible for core interface design, design systems refresh, and reviewing feature teams’ design proposals.
- **Chrome on novel form factors.** Led a team of four to redesign Chrome for Pixel Fold and Pixel Tablet ahead of launch, introducing improvements to drag and drop, window management, and desktop-site browsing; supported the Android XR team in adapting Chrome for XR devices.

- **Chrome brand.** Initiated the effort and led a team to refresh Chrome’s brand for the first time in eight years, making it feel contemporary, accessible, and in tune with the OS.
- **Built-in intelligence.** Integrated on-device intelligence into Chrome for Android, including personalized UI driven by user-action modeling and a contextual toolbar button.
- **Mentorship.** Managed one intern and mentored two new hires.

## Google – UX Designer II, Chrome

2020 – 2021

*San Francisco, California, United States.*

- **Material You in Chrome.** Led adoption of Google’s new design language in Chrome for Android, contributed to the Google-wide language, and drove the refresh of Chrome for Android’s design documentation.
- **Chrome widgets for iOS.** Designed and developed three widgets in SwiftUI on a four-week timeline.
- **Tab management.** Led design for tab organization in Chrome on iOS.

## Google – Design Intern, Material Design

2019

*San Francisco, California, United States.*

- **Material Theme Builder.** Generated themed design systems via color extraction from images; became the seed for the company-wide Material You effort.
- **Material Design documentation.** Built in-line interactive explanations helping developers understand color scales and dark theme, and designed and developed the Figma Material Theme Creator plug-in.

## Honors and awards

### Platform & Ecosystems Award (SVP-level), Google

2022

For contributions to on-device machine learning in Chrome (the “magic toolbar”).

### Platform & Ecosystems Award (SVP-level), Google

2022

For leading the adoption of Material You in Chrome.

### Award of Excellence, Communication Arts Typography Annual

2020

Musical Script Book Covers

### Winner, Communication Design, Type Directors Club (TDC66)

2020

Musical Script Book Covers

### Red Dot Award

2020

Musical Script Book Covers

## Talks and panels

### Designing Across Cultures

[Year]

*Tokyo Design Forum. Panelist, with Xinni C. and Wakana Sakai.*

## Technical skills

### **Research methods**

Systems building and evaluation, field deployment studies, autoethnography and autobiographical design, semi-structured interviews, qualitative coding, sensor-data analysis.

### **Programming tools**

Swift, JavaScript, TypeScript, Python

### **Languages**

English, Mandarin, Japanese (advanced, N1-level competence)