

Yifei Gao

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Education

Glasgow School of Art, Glasgow, UK

Sept. 2024 – Jul 2026(expected)

Master of Design and Communication Design

- Core Courses: Design Research Methods, A Critically Reflective Practice, Studio Practice

The University of Edinburgh, Edinburgh, UK

Sept. 2014 – Sept. 2015

Master of Science and Design and Digital Media

- Core Courses: Dynamic Web Design, Interactive Sound Environments

Beijing Normal-Hong Kong Baptist University, Zhuhai, China

Sept. 2010 – Sept. 2014

Bachelor of Science and Computer Science and Technology

- Core Courses: Object-Oriented Programming, Data Structures, Database Management System

Work Experience

Compass (U.S.), Beijing, China

Feb 2020 – Jan 2023

Frontend Developer

- Built and maintained custom real estate search pages for multiple U.S. states, ensuring data accuracy and feature consistency with official government property sites; Implemented GraphQL integrations, React UI components, and backend connections, contributing to the initial platform setup and later bug maintenance.
- Delivered new UI features and components with optimized code solutions after peer design discussions; Wrote unit tests (Jest) and ensured end-to-end test coverage (Cypress), improving release stability and reducing regression issues.
- Contributed to project iterations and framework migration from Formik to MobX, enhancing state management performance and maintainability.
- Participated in code reviews, providing actionable feedback to uphold best practices and code quality; Coordinated with U.S.-based PMs and engineers to plan, decompose, and schedule tasks, identifying potential risks early and resolving blockers across time zones.
- Supported CI/CD workflows, testing deployments on staging platforms before release.

Ctrip, Shanghai, China

Sept 2018 – Sept 2019

Frontend Developer

- Designed and implemented the Tangtu Project, a backend system for marketing teams to upload images and text, auto-generating HTML marketing pages that displayed campaign details directly to end-users.
- Built JSON-based configurable templates (carousels, lists, etc.), enabling business teams to create and modify marketing pages independently, which reduced development turnaround and improved go-to-market speed.
- Collaborated with backend engineers to design, validate, and debug data formats, ensuring correct offline-to-online rendering of page configurations; Developed and maintained H5 interactive pages and lightweight games to enhance campaign engagement.
- Rebuilt visa application form pages across PC and mobile apps to adapt to frequently changing policies, ensuring data accuracy and user compliance; Refactored legacy form pages by creating a unified configuration system that automatically generated country-specific forms, cutting development and testing costs for new requirements.

China Television Information Technology, Beijing, China

Dec 2015 – Jun 2018

Frontend Developer

- Contributed to the development of a Content Management System (CMS), enabling editors to manage and publish multimedia content more efficiently; Built reusable frontend components (e.g., iList) that allowed the backend team to configure and embed modules directly, reducing repetitive development work.
- Implemented drag-and-drop table features using jQuery, improving usability for non-technical content editors.
- Collaborated closely with backend engineers to design data structures, debug integration issues, and validate stored content formats, ensuring accurate rendering on live sites; Expanded and maintained the company's frontend template library, streamlining content creation workflows and supporting scalability of future CMS features.

Skills

- Languages: Python (Django), C, C#, Java, SQL, Javascript
- Framework and Library: React.js, Redux, Mobx, GraphQL, HTML5, CSS3, Jest, Cypress
- Tools: Git, CI/CD