

# Howie Hao Wang

## About Me

A web designer and developer with a background in architecture.

My professional experience started at WeWork. I was fascinated by how a data-driven approach is implemented in the design. Later at SOM, I worked on [an interior project involving VR](#).

[My diverse background prepares me with both design and development skills](#): A keen eye for design; professional experience using design tools; solving real-world problems through design thinking, research and analytical skills.

\*1. [watch a self-introduction video](#);

\*2. [watch a portfolio presentation](#).

## Education

### University of Virginia

Aug. 2015 - Dec. 2017 | Charlottesville, VA

- Master of Architecture, Scholarship
- GPA: 3.61, GRE: 319 \*Full score in Math.

### University of Mining and Technology

Sep. 2010 - Jul. 2015 | Xuzhou, China

- Bachelor of Architecture, Full Scholarship
- GPA: 3.89, Rank: 2/86

### Software Engineering Student

Mar. 2021 - Current | at Udemy & freeCodeCamp.org

HTML, CSS, JavaScript, React, Redux, NodeJS, Express, Python, PostgreSQL, MongoDB, Flask, Jest

- Self-curated software engineering course totaling over 600 hours in length
- Built numerous projects from scratch using web development technologies
- Actively worked in online communities to learn workflow and achieve goals.
- Worked with Data Structure & Algorithm
- [Completed courses list and earned certification](#)

## Skills

### Frontend

React, Redux, JavaScript (ES6), TypeScript, Bootstrap, HTML, CSS

### Backend

NodeJS, Express, PostgreSQL, Flask

### Tools & Platforms

Git, Netlify, Heroku, Vercel, Wordpress, Firebase, MongoDB

### Design

Adobe Creative Suite (Photoshop, InDesign, Illustrator), Figma, Adobe XD

### Other

Git, GitHub, Unit testing, Agile, Next, Python, Data Structure & Algorithm, Video Edit, Bilingual in Chinese and English

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## Projects

### Full Stack Developer at [Snap App](#), Nov. - Dec. 2021

React, NodeJS, Express, MongoDB, Responsive Design

- Designed and developed Snap App, a photo-sharing platform for people who love architecture. [Product Video Demo](#)
- Wrote frontend \*React and backend \*NodeJS; Set up database \*MongoDB for snaps and users. [GitHub Source Code](#)
- Fixed bugs in React to improve UX/UI. Tested sites in various browsers and devices to ensure cross-browser compatibility and mobile responsiveness.
- Inspired by real-life experience as an architectural designer. [Read the Full Story](#)

### Full Stack Developer at [Lunch Break](#), Jan. - Feb. 2022

NextJS, React, NodeJS, Express, MongoDB, Vercel, Responsive Design

- An MVP blog site cares about work-life balance focusing on design, psychology and community. It derived from my own WeChat Official Account. Users can make comments and interact with authors.
- The first article has reached 826 reads. Over 20,000 words have been published since launching. [Read why and how I built Lunch Break](#).
- Designed, developed and shipped interactive web application using Vercel. [GitHub Source Code](#)

### Product Designer at [Museum App](#) \*NMAAHC, Oct. 2019 - Jan. 2020

AdobeXD, FlowMapp, Photoshop, Illustrator, Indesign

- A mobile app design for a museum. The goal is to enhance the visiting experience.
- Personal product project contains the whole process including UX research, UI Design, Prototype, Testing and Design Package.
- Collaborate closely with the community from different backgrounds including student designers, marketing team, and techies.

### [React Guide](#) | Built with React

React, Redux, Function Component, Custom Hooks, Unit Testing, Jest

- I am currently working on my guide for React including general components, patterns, and interview questions.

### [Howiework](#) | Built with React; Hosted by [GitHub](#) page

React, Markdown, Responsive Design, Accessibility

- I completely redesign and rebuild my portfolio website using React. It is a major update from the [previous design version](#) for my aspiring dev career.

## Experience

### Designer / Developer / Consultant

Mar. 2020 — present | Freelance, Washington DC

- Worked with clients from different backgrounds to ensure requirements were met; Help clients rebrand; Build portfolio sites with WordPress/Squarespace.
- Worked on projects like Snap App, LunchBreak, and NMAAHC mobile app.

### Product Designer / Developer

Jul. 2019 — Mar. 2020 | Remote

- Helped the client solidify a brand direction for the MIAO product to span across print, packaging, web and their store-front design.
- Interfaced with clients daily, providing technological expertise and knowledge.

### Architectural Professional at Skidmore, Owings & Merrill LLP (SOM)

Jun. 2018 — Jul. 2019 | Washington DC

- Worked with a team of four designers on an interior office HQ Project: work on SD, DD, CD.
- Integrated modern technology, e.g. VR into the presentation.

### Designer at WeWork

Feb. 2018 — May 2018 | New York, NY

- Communicate and collaborate with multi-disciplinary teams of engineers, designers, clients, and stakeholders daily.
- Implemented data-driven design approach and research on space & profit efficiency.