

Zongze Chen

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Education

-New York University

May 2025

-M.P.S. Interactive Telecommunications

-University of California, San Diego

June 2023

-B.A. Visual Arts - Department Honor with Highest Distinction

-B.S. Cognitive Science w/Spec Design & Interaction

Skills

-Frameworks: Next.js, Tailwindcss, Vite, Firebase, Node.js, Express, Socket.io

-Libraries: React, Framer Motion, GSAP, Three.js, p5.js, Matter.js

-Languages: TypeScript, JavaScript, HTML, CSS, PHP, SQLite

-Design tools: Figma, Adobe Suite, UI/UX design/research approach, Fusion 360

Work Experiences

-Website Design & Development Intern (JS, HTML, CSS, PHP, WordPress)

Jun. 2024 - Aug.2024

-Synaptic Medical, Carlsbad, CA

- Designed visual layout and assets of the branding website using Figma and Adobe software
- Built reusable components and page templates using PHP and JavaScript
- Programmed in PHP to dynamically generate pages with CMS on the server side
- Programmed in Javascript/HTML/CSS to create responsive interfaces on the client side

-Teaching Assistant

-New York University, New York, NY

- Course: **Creative computing** - Javascript, canvas & AI
- Course: **Energy** - kinetic & solar power circuits

Sep. 2023 - Dec.2024

Jan. 2025 - Present

Selected Projects

-Chrome extension experiments (Typescript, CSS, Tensorflow, WebRTC)

Fall 2024

- Absurd Chrome extensions that reimagine browsing interfaces on existing websites
- One extension can stream multiple users' screens and directly overlay them on any website
- Another extension allows users to punch HTML elements by waving their hands in front of a webcam
- Most extensions use a combination of Canvas and CSS to achieve creative visual effects

-Networked Time Comparator (React, Express.js, Socket.io)

Fall 2024

- Multi-user app that compares computer clock errors in real-time (down to ms)
- Designed RESTful API to retrieve server time and calculate errors based on ping duration
- Implemented Socket.io to synchronize information and update UI on multiple clients
- Programmed interactive animation using React and Framer Motion