

Alan (Junhao) Ren

Design engineer with 3 years of experience | US Permanent Resident
Specializing in front-end development, AI applications and creative coding.

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Portfolio: alan.ooo

Experience

Design Engineer & Machine Learning Researcher - ml5.js & NYU

New York, NY, USA & Shanghai, China | Nov 2023 - Current

- Contributed to open-source development, addressed and resolved issues across both the ml5.js library repositories and its website repository, ensuring seamless functionality and user experience.
- Updated and improved documentation in collaboration with the team at NYU Shanghai, enhancing accessibility and clarity for the global user base.

Founder & Organizer - ITP/IMA Open Source Club

New York, NY | Sep 2024 - Current

- Initiated and led the establishment of the ITP/IMA Open Source Club under the mentorship of Dan Shiffman, focusing on fostering open-source collaboration within the department.
- Organized workshops and open calls, empowering students to contribute to impactful open-source projects.

Web Developer & Designer - New York University

New York, NY | Oct 2023 - Current

On-campus job at the Interactive Telecommunications Program's IT Department.

- Spearheaded the complete redesign of the Interactive Telecommunications Program's Help Website, increasing task completion rates by 50% and boosting search success rates by 80% for over 500 users.
- Conducted extensive user research (60+ interviews) to identify pain points, optimizing navigation and information architecture.
- Collaborated with designers to implement Wordpress design for WCAG AA accessibility compliance and audited 400+ pages.

ITP Camp Counselor - New York University

New York, NY | May 2024 - June 2024

- Provided technical and conceptual support for web development, creative coding, and physical computing.
- Collaborated with session leaders to ensure smooth operations, including facilitation and documentation.

Web Developer & Designer - Freelance

New York, NY & Remote | May 2022 - Current

- Revamped client brand identities, transforming sketches into visually compelling websites with Figma.
- Delivered high-impact portfolios using Next.js and Sanity, achieving over 5,000 increased engagements through enhanced SEO strategies.
- Notable Projects: jixin.ooo, alan.ooo, paths.katudio.com

Education

New York University

Tisch School of the Arts

Master of Professional Study,

Interactive Telecommunications Program

Sep 2023 - Current

- Scholarships: TSOA Scholarship, Michael R. Rooney Scholarship, ITP Scholarship.

New York University

Tandon School of Engineering

Bachelor of Science,

Integrated Digital Media

- GPA: 3.92
- Dean's List (2020-2022)

Rochester Institute of Technology

New Media Interactive Development

- GPA: 3.76
- Immersion: Japanese
- Dean's List (2018-2020)
- Recipient of Merit Scholarships.

Skills

Languages

JavaScript, TypeScript, HTML, CSS, GLSL, Python, C++, C#, Swift, YAML.

Tools & Technologies

React, Next.js, Gatsby, Vue.js, d3.js, GSAP, TailwindCSS, Framer Motion, React Native, Google Chrome API, Git, Netlify, Vercel, AWS, Firebase, Supabase, Sanity, Jupyter Notebook.

Prototyping & Design Tools

Adobe Creative Suites, Figma, Sketch, Framer, Webflow.

Physical Computing

Arduino, Raspberry Pi.

Concepts

Algorithms, Data Structures, Design Patterns, Agile Development, Mobile-first Development.