

Andy Chen

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WORK EXPERIENCE

INFINITE REALITY | SOFTWARE ENGINEER

Remote | April 2024 – Oct 2025

- Optimized editor, file browser, and dashboard performance using React.memo, debouncing, lazy loading, pagination, and caching—cutting load time by 1.5s.
- Migrated from MUI to a modular Tailwind component library in React, streamlining UI development across the platform.
- Developed a zero-to-one AI e-commerce bot with Shopify, React, and Tailwind, rendering products in 3D using Rodin for interactive visualization.
- Achieved 90% test coverage using Mocha, Jest, Enzyme, and React Testing Library to ensure reliable functionality.
- Executed load tests simulating 10,000 concurrent users, validating scalability and system stability using k6.

STAKES | FULL STACK ENGINEER

New York, NY | May 2021 – Dec 2023

- Developed a RESTful API with 120+ endpoints using Express, Node, Python, and PostgreSQL, contributing to a successful \$5.3M seed funding round.
- Delivered the company's first revenue stream by creating collectible-based features.
- Built a full-stack admin portal (React, Node, Python) supporting 2,000+ weekly users and automating workflows to save 3–4 hours per day.
- Developed an AI-powered basketball simulation web app using React, Firebase, and OpenAI API, enabling 1,000+ AI-driven matchups.
- Deployed profile sharing and Metamask reward features, driving a 10% increase in user retention.

GALLERY MEDIA GROUP | SOFTWARE ENGINEER INTERN

New York, NY | June 2019 – Aug 2019

- Engineered the company's first mobile app using React Native in an Agile environment.
- Collaborated with designers and developers to analyze requirements and ensure successful delivery within time and cost constraints.

PROJECTS

DOCUI

TYPESCRIPT, REACT, NODE, WEBSOCKETS, PDF.JS, JWT, OPENAI API

- Engineered real-time PDF rendering and annotation using PDF.js, WebSockets, and JWT for secure multi-user collaboration.
- Implemented signed URL access and role-based authorization to ensure secure document delivery.
- Integrated AI-assisted document editing using OpenAI API to restructure and improve clarity.
- Designed a modular UI architecture using Storybook, creating reusable, documented components that improved development consistency and accelerated feature delivery.

EDUCATION

BROOKLYN COLLEGE

BS IN COMPUTER SCIENCE

Brooklyn, NY

SKILLS

Languages: JavaScript, TypeScript, SQL, Python, Java

Frontend: React, Tailwind, HTML/CSS, Redux, Storybook

Backend & Infrastructure: Node.js, Express, PostgreSQL, Flask, Docker, Firebase, GCP

Testing & Tooling: Jest, Mocha, Git, Segment