

# 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

- DOCUAI**  TYPESCRIPT, REACT, NODE, WEB SOCKETS, 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** Brooklyn, NY
- BS IN COMPUTER SCIENCE

## 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