

# Mingyi Pan

## Fullstack / Frontend Engineer

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- 7 years of professional experience.
- 3 years of web development.
- Self-taught fullstack developer.
- Passionate and self-motivated.
- Strong design, analytical and collaboration skills.
- Outdoor enthusiast.

## Skills

- React & Next.js
- React Native
- Redux
- Node.js & Express
- TypeScript
- JavaScript
- Python
- SQL & MongoDB

## Education

Bachelor of Science  
Mechanical Engineering  
(Mathematics Minor)

University of Rochester | 2012 - 2016

## Professional Experience

### ● Frontend Engineer

Freedom Robotics | February 2022 - October 2023

#### React, Next.js, TypeScript

Developed and maintained a Next.js web application for real-time monitoring, automation and management across fleets of devices.

Collaborated with project manager and backend team to design and develop features front start to finish: fleet map, automation, smart alert, custom theme, etc.

Improved code performance and readability by creating and abstracting reusable components, hooks, contexts and layouts.

Participated in code reviews to provide feedback and ensure adherence to best practices.

### ● Web Developer

Freelance | September 2020 - April 2022

#### JavaScript, HTML, CSS, React, Redux, Node.js, MongoDB

Designed and developed web applications for small local businesses with booking system.

Designed business cards, flyers and gift vouchers with Adobe Illustrator and Adobe Photoshop.

### ● System Engineer (Non-software)

Consolidated Edison | November 2016 - February 2022

Reviewed and optimized PLC programs and SCADA system for steam pipelines underneath the streets of Manhattan.

Worked with designers and engineers across various departments to design, test and improve remote terminal units (RTUs).

## Projects

### ● Spotify Clone - Fullstack Mobile App

#### TypeScript, Node.js, MongoDB, React Native, Redux, Cloudinary

User custom private and public playlists; auto-generated playlists; profile followers and followings; audio and image file upload; user authentication and authorization.

### ● Ecommerce - Fullstack Web App

#### Node.js, MongoDB, React, Redux

Categories and products; user cart and orders; store admin panel for category, product and order management.

### ● WhatsApp Clone - Frontend Mobile App

#### React Native, Redux, Firebase

User authentication; user search; 1:1 and group chat; group chat settings; user settings; push notification.