

# Mingyi Pan

## Fullstack / Frontend Engineer

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- Mid-level web & mobile fullstack / frontend engineer.
- Continuous learner looking for challenges.
- Passionate, self-motivated and self-disciplined.
- Independent contributor with strong communication and collaboration skills.
- Pragmatic team player delivering quality work on time.

## Skills

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

## 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 from start to finish: dashboard, 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 steam pipe health monitoring system.

## 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.