Meng Cheng Ma

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Technical Skills

Languages (5+ years): Java, Python, C, C#, C++, JavaScript/TypeScript
Frontend Frameworks (3+ years): React, Next.js, Tailwind CSS
Backend & Databases (3+ years): Node.js, WPF, Socket.io, Spring, Express, SQL, Django, MongoDB, FastApi
Tools & Platforms: AWS, Git, TFS, Firebase, PostgreSQL, NeonDB, Vercel, Android Studio, Gemini API
Expertise: Multi-threaded Programming, High-concurrency Systems, Real-time App, Full-stack Architecture

Professional Experience

Software Developer   January 2025 – December 2025
InterSoft Associates   *Lynbrook, NY*

- Spearheaded an internal timesheet budget analysis tool using React and SQL, automating executive reporting with Excel exports, reducing report generation time by 94% (from 8 hours to 30 minutes) while processing timesheet data for 30 employees
- Architected and implemented RESTful API layer connecting React frontend to SQL Server, creating 25+ C# endpoints that executed stored procedures for CRUD operations on timesheet data, user authentication, financial records, and property tax consulting information
- Optimized 25 SQL stored procedures in SSMS, reducing query times by 50%, and implemented API authentication using API keys with JSON data exchange via axios
- Delivered 25 production-ready full-stack features using C#, JavaScript, WPF, and React
- Collaborated in 5-person Agile team with senior developers using TFS on version control, code review, and project management
- Stack: React, JavaScript, WPF, C#, SQL Server, REST API Integration, TFS, Excel Automation

Web Developer   March 2023 – October 2023
National Urban Technology Center   *New York City, NY*

- Improved website traffic by 70% through SEO optimization and WordPress development with HTML/CSS
- Stack: WordPress, HTML, CSS, SEO Tools (Google Analytics, Yoast SEO)

Selected Projects

BlackJack Multiplayer Web Game | *React, TypeScript, Tailwind CSS, Node.js, Socket.io*   August 2025

- Built real-time multiplayer gameplay (up to 3 players per room) using React, TypeScript, Tailwind CSS, Node.js, and Socket.io
- Implemented game rooms, betting system, hand splitting, dealer logic, and automated card reveals through WebSocket communication
- Developed a responsive and interactive interface with dynamic UI and animations, alongside a backend server managing sockets, game state, and balance tracking

Rentally AI | *React Native, TypeScript, Firebase, Gemini API*   May 2025

- Took technical leadership in a 4-member team in developing AI-powered rental platform, defining architecture and coordinating feature development
- Integrated Gemini API to create intelligent chatbot for personalized item recommendations, with full CRUD functionality for listings and profiles

Invoice Management Website | *Next.js, React, TypeScript, Tailwind CSS, PostgreSQL, Vercel*   December 2024

- Led 3-member team to develop Next.js invoice management application hosted on Vercel with NeonDB PostgreSQL database
- Implemented secure authentication with NextAuth and Bcrypt, and developed an invoice management system for contractors and clients

Education

New York Institute of Technology   September 2022 – December 2025
Bachelor of Science in Computer Science   *New York City, NY*

Relevant Coursework: Artificial Intelligence, Data Structures, Algorithms, Database Systems, Operating Systems, Software Engineering