

Meng Cheng Ma

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Skills

Languages (5+ years): Java, Python, C, C#, C++, JavaScript/TypeScript

Frontend Frameworks (3+ years): React, Next.js, TailwindCSS

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

Education

New York Institute of Technology – BS in Computer Science

GPA: 3.77 | Expected December 2025

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

Professional Experience

Software Developer, InterSoft Associates – Lynbrook, NY

Jan 2025 – Jul 2025

- 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
- Optimized 25 SQL stored procedures, reducing query times by 50%, and integrated APIs for validated data exchange between systems
- 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

Web Developer, National Urban Technology Center – New York, NY

Mar 2023 – May 2023

- Improved website traffic by 70% through SEO optimization and WordPress development with HTML/CSS

Projects

BlackJack Multiplayer Web Game

github.com/WildUni/BlackJackWebGame

- Built real-time multiplayer gameplay (up to 3 players per room) using React, TypeScript, TailwindCSS, 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

github.com/varshinibitla/Rentally

- 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

- 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

Smart Attendance App

- Built Android attendance system with multi-layer security including device ID fingerprinting, dynamic QR codes, and VPN detection
- Integrated Firebase Realtime Database with Google Location API for instant attendance verification and geolocation validation