Chan Meng

Full-Stack Developer

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Portfolio | GitHub | Linkedin

EDUCATION

LINCOLN UNIVERSITY
Applied Computing Masters

November 2023 - December 2024
New Zealand

JIANGSU NORMAL UNIVERSITY
Geography Science Bachelors

September 2012 - June 2016
China

EXPERIENCE

BYTEDANCE | Backend Developer   Remote | China | November 2024 – Present

- Selected among 8900+ participants to develop microservices and distributed systems under ByteDance engineers' mentorship.

FREEPERIOD | Chief Technology Officer   Remote | China | November 2024 – Present

- Built bilingual platform serving 3,000+ monthly users with IoT-enabled tracking of 50+ sanitary pad stations.
- Developed analytics dashboard with automated tracking, reducing inventory management time by 30%.

FORWARD WITH HER | Technology Mentor   Remote | China | October 2024 – Present

- Selected among 200+ applicants (top 40%) for UN Women's STEM mentorship initiative, joining elite network of 360+ mentors serving 800+ mentees.
- Led both one-on-one and group mentoring sessions for female tech professionals, providing career planning and technical skill advancement guidance to foster an inclusive tech community.

CORDE | Full Stack Developer   Hybrid | Christchurch | June 2024 – November 2024

- Developed Android app processing 119,000+ annual maintenance logs for 100+ field workers.
- Implemented offline data sync system reducing manual entry by 80%, while contributing 66% of project codebase.

SKILLS

Programming Languages	Python, TypeScript, JavaScript, Go, HTML, CSS, R, Java, C#, SQL
Libraries/Frameworks	React, Next.js, TensorFlow, PyTorch, scikit-learn, NumPy, Pandas, Flask, Express.js, React Native, Gin, GORM, Tailwind CSS, shadcn/ui, Docusaurus, Streamlit, Recharts, Chart.js, Framer Motion, JWT, Papaparse, Mermaid, Angular
Tools / Platforms	Vercel, HuggingFace, Git, GitHub, Chrome Web Store, Jupyter Notebook, Streamlit Cloud, Node.js, npm, Visual Studio Code, Docker, Webpack, Redis, GitHub Actions, Microsoft Azure, Microsoft 365
Databases	MySQL, Supabase, SQLite, PostgreSQL, Redis, Supabase, MongoDB, Microsoft SQL Server

PROJECTS / OPEN-SOURCE

TIKTOK SHOPPING MALL | Link   Go, Gin, MySQL, Redis, JWT

A production-ready e-commerce backend template featuring comprehensive authentication, product management, and order processing systems.

FREE PERIOD WEBSITE | Link
Next.js, Zustand, shadcn/ui, Google Maps API, Framer Motion

Sustainable menstrual care platform featuring interactive map integration, impact tracking, and comprehensive educational resources.

FORWARD WITH HER WEBSITE | Link
Next.js, Three.js, React, i18next, Spline Tool

Modern mentorship program website featuring interactive 3D animations, bilingual support, and dynamic content presentation.

CORDE MOBILE APPLICATION | Link
React Native, TypeScript, SQLite, ArcGIS, Native Base

A comprehensive mobile application enabling efficient offline data collection and synchronization for field operations, featuring photo capture, GPS tracking, and asset management capabilities.

FRIENDSCOPE | Link
Next.js, Recharts, Radix UI, Framer Motion, Tailwind CSS

Scientific friendship assessment tool evaluating relationships across 10 key aspects with comprehensive visualization and analysis.

AGRIHIRE SOLUTIONS | Link
Flask, MySQL, Python, Ajax, Bootstrap

A web-based equipment rental management system featuring real-time inventory tracking, multi-store management, and integrated payment processing supporting various business locations.

CUSTOMER INSIGHT | Link
Streamlit, Natural Language Processing, Transformers, Jieba, Plotly

Comprehensive customer review analysis system with sentiment analysis, keyword extraction, and topic modeling capabilities in multiple languages.

TENCENT MEETING VIDEO DOWNLOADER | Link
Chrome Extension APIs, JavaScript, Webpack

Chrome extension enabling easy download of Tencent Meeting recordings through optimized curl commands generation.

GRADIENT SVG GENERATOR | Link
Node.js, Express.js, SVG, REST API

Tool for creating animated gradient SVGs with customizable text overlays and pride-themed templates.

MCP SERVER GOOGLE NEWS | Link
TypeScript, Node.js, Model Context Protocol (MCP), SerpAPI

A MCP server implementation providing automated news categorization and multi-language search capabilities through SerpAPI integration.

AI PROGRAMMING TEACHING PLATFORM | Link
Docusaurus, TypeScript, Markdown, MDX

A modern educational platform delivering comprehensive AI programming tutorials with bilingual support and interactive learning experiences.

FEMTRACKER | Link
React Native, TypeScript, SQLite, React Native Paper, Expo

Privacy-focused mobile application for menstrual product usage tracking featuring real-time duration tracking and smart notifications.

LINKEDIN JOBS SEARCH | Link
Express.js, Node.js, TailwindCSS, LinkedIn API

Enhanced LinkedIn job search platform featuring advanced filtering, real-time updates, and streamlined result presentation.

JOURNEY OF REINCARNATION | Link
Next.js, Chart.js, react-simple-maps, i18next, Framer Motion

Web simulation exploring life circumstances across various countries with interactive world map and dynamic statistics visualization.

INTERACTIVE STORY GENERATOR | Link
Python, Gradio, HuggingFace, Transformers

AI-powered story generation system with character creation and narrative customization capabilities.

ENGLISH REDEFINE | Link   Next.js, TypeScript, React, Tailwind CSS, Gemini AI

Modern platform providing fresh interpretations of English words using Google's Gemini AI technology with beautiful card generation capabilities.

LIBRARY MANAGEMENT SYSTEM | Link   Next.js, Supabase, PostgreSQL, React Hook Form, shadcn/ui

Modern library management system with real-time updates, comprehensive borrowing workflow, and detailed analytics capabilities.

HEAT FLUX PERCEPTRONS NEURAL NETWORKS | Link   PyTorch, NumPy, scikit-learn, Matplotlib

Implementation of neural networks for architectural thermal analysis, achieving detailed visualization of weight updates and comprehensive performance analysis.

BODY FAT ESTIMATION MLP | Link   TensorFlow, Keras, Python, Matplotlib, scikit-learn

Neural network models for body fat prediction achieving R score of 0.9724 for full-feature model and 0.9617 for reduced-input model.

MNIST NEURAL NETWORK ANALYSIS | Link   TensorFlow, Keras, NumPy, Pandas, Matplotlib

Implementation of multiple neural network architectures for handwritten digit recognition with 99.7% accuracy using deep CNN model.

CERTIFICATIONS

- Software Engineer Certificate - HackerRank
- Frontend Developer (React) Certificate - HackerRank
- SQL (Advanced) Certificate - HackerRank
- Problem Solving (Intermediate) Certificate - HackerRank
- JavaScript (Intermediate) Certificate - HackerRank
- Rest API (Intermediate) Certificate - HackerRank
- Node.js (Intermediate) Certificate - HackerRank
- Angular (Intermediate) Certificate - HackerRank
- Go (Intermediate) Certificate - HackerRank
- R (Intermediate) Certificate - HackerRank
- Python (Basic) Certificate - HackerRank
- Java (Basic) Certificate - HackerRank
- C# (Basic) Certificate - HackerRank
- CSS (Basic) Certificate - HackerRank
- Career Essentials in Software Development - Microsoft
- Career Essentials in System Administration - Microsoft
- Career Essentials in Administrative Assistance - Microsoft
- Career Essentials in Project Management - Microsoft
- Career Essentials in Cybersecurity - Microsoft
- Career Essentials in Data Analysis - Microsoft
- Career Essentials in GitHub Professional Certificate - GitHub

HONORS & AWARDS

- Dean's List - Top 5% Academic Performance, Lincoln University, New Zealand 2024
- Master of Applied Computing with Distinction - Lincoln University, New Zealand 2024
- Excellence Award Winner - FemTech China Womens Health Technology Challenge 2024
- S-Rank Achievement in Multilingual Development - GitHub Trophy Recognition 2024
- SS-Rank Deep Contributor Award for Sustained Code Contributions - GitHub Trophy 2024