Yongtai Chen

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EDUCATION

New York University New York, NY
Master of Science, Computer Science, GPA: 3.53, Scholarship May 2023

Northeastern University(China) Shenyang, China
Bachelor of Engineering, Computer Science, GPA: 3.73, Scholarship, NEU Excellent Graduation Thesis June 2019

SKILLS

Programming:	C/C++, Python, Java, Golang, JavaScript, PHP, HTML/CSS, SQL
Tools:	Linux, Git, AWS, Hadoop, Kubernetes, Docker, PyTorch, OpenCV, CMake, Nginx, Flask, Qt, React, PostgreSQl, MySQL, MongoDB, LaTeX

EXPERIENCE

Capybara.AI New York, NY
Backend Engineer July 2023 – Present

- Developed a high-performance stock price API using Golang and Gin, with hot updates and WebSocket support for improved real-time data transmission and user experience. Streamlined the database architecture with Firebase and MongoDB, significantly enhancing data retrieval speed and system scalability.

- Developed an innovative news aggregation system using LLMs for content summarization and clustering, enhancing news relevance and user engagement. Optimized the Python-based data analysis module and managed web server operations with PM2 to ensure uninterrupted performance.

Zhaoge LLC Remote
Full Stack Engineer January 2023 – July 2023

- Designed, deployed, and managed websites on Kubernetes, leveraging containerization and microservices architecture for scalability. Implemented robust CI/CD pipelines for automated testing and seamless deployment processes.

- Integrated ChatGPT into websites, increasing user engagement by 20% and improving personalized assistance. Managed and maintained a master-slave MariaDB setup, focusing on data safety and performance optimization.

China Architecture Design & Research Group Beijing, China
Full Stack Engineer Intern October 2020 – March 2021

- Developed an automated building management platform using Python and Java, standardizing access to appliances from multiple manufacturers via REST API. Implemented a high-performance asynchronous event handler with Python's asyncio module for enhanced system responsiveness.

- Managed and stored diverse sensor and environmental data using PostgreSQL and MongoDB databases. Conducted user behavior and data analysis to optimize lighting and acoustic settings, resulting in a 30% decrease in energy consumption.

Baidu, Inc. Shenyang, China
Machine Learning Engineer Intern June 2018 – August 2018

- Implemented the Single Shot MultiBox Detector (SSD) neural network for detecting and recognizing storefront billboards using Python and the Baidu PaddlePaddle framework. Deployed the model on Baidu AI Studio, achieving the 2nd highest precision among 21 contestants.

- Enhanced the speed and accuracy of information storage for Baidu Map, benefiting over 20 million daily active users.