

Chi Zhang

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Summary

Results-driven and detail-oriented graduate with expertise in AI and frontend development. Skilled in training models with PyTorch and building modern web interfaces using React and Vue. Experienced in agile methodologies, utilizing GitHub Projects and JIRA for project management. Proficient in containerized deployments with Docker, ensuring efficient and scalable product delivery.

Core Competencies

Programming Languages

- Python: AI model training, data analysis
- Javascript/Typescript: Built web user interface and web servers
- C/C++: Implemented Multithreaded/Multiprocess algorithms

Frameworks

- React: Built a medical diagnosis chatbot
- Pytorch: Conducted AI model training for cell segmentation and text embedding learning
- Vue: Constructed web interface for dashboard and data visualisation
- React Native: Built a production-ready AI chat bot
- Next.js: Created a production ready website

Other Tool

- AWS: Built web applications using S3, DynamoDB and Lambda, ECS
- Docker: Deployed containerised web applications to the server and cooperate with other services to achieve scalable and modular web services
- GitHub Actions: Experienced DevOps workflow in creating pipelines for testing and uploading the final product to the remote repository
- JIRA: Created tasks and monitored them to guarantee prompt completion and effective advancement toward project objectives

Professional Experience

Everyoung AI

Sydney, Australia

Full Stack Developer

03.2024 - Current

- Built the company's first mobile app with React Native and won the first business customer
- Built telephony system with Twilio and OpenAI interpret the calls between users speaks different languages
- Migrated an compute-intensive post process to AWS Lambda that brings video-call handling server peak CPU and memory usage by 80%

Projects

MeoAssistantArknights (10k+ stars on GitHub)

Open Source Project

Community Contributor

- Engineered a Dart binding for the C++ library, empowering developers to implement a cross-platform interface with Flutter seamlessly
- Conducted unit testing for the API binding, ensuring its functional correctness
- Created issues and pull requests on GitHub to enhance communication with the development team
- Documented the API using Dart standard to enhance readability and simplify maintenance

UltiRTS/Nest-Plasmid

Open Source Project

Community Contributor

- Built a game lobby server with Nest.js and Typescript, allowing scaling with node.js workers
- Adopted multi-layer data storage with Redis and MySQL strategy for better performance
- Capable of token-based session management and Inter-Process communication for improved modularity.
- Facilitates real-time user-to-user and channel chatting with WebSocket enhancing user experience.

Education

University of Melbourne

Melbourne, Australia

Master of IT

2023.07 - 2024.12

- Graduated with Distinction

The University of New South Wales (UNSW)

Sydney, Australia

B.Sc Hons (Computer Science, Distinction), B.Comm (FinTech)

03.2018 - 11.2021

- Graduated with Distinction

Research

Seed Guided Topic Modeling

Sydney, UNSW

Supervisor: Prof. Raymond Wong

02.2022 - 12.2022

- Developed a user-topic-based word clustering algorithm with an ensemble pipeline that involved integrating a pre-trained BERT model for handling unseen words, a fine-tuned model to learn dataset embeddings, and combining results using a weighted ranking algorithm.

Awards

- **University of Technology, Sydney** - Academic Excellence Award with an undergraduate offer for outstanding students.