

# YUFAN ZHAO

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Portfolio Website: <https://leslie0605.github.io/>



## EDUCATION

National University of Singapore  
Master of Computing, Major in Computer Science

Aug 2023 - May 2025

- GPA: 4.55 / 5.0

- Related Courses: Neural Networks and Deep Learning, Big Data Systems for Data Science, Cloud Computing

Beijing Normal University

Aug 2020 - Jul 2022

Master of Science, Major in Applied Psychology (User Experience)

Beijing University of Posts and Telecommunication

Aug 2016 - Jul 2020

Bachelor of Engineering, Major in Telecommunications Engineering and Management

## SKILLS

- Certifications: [Google Cloud Professional Machine Learning Engineer](#) (Issued Dec 2024)

- Languages: Python, Java, Golang, C/C++, C#, Javascript (React and Node.js), HTML/CSS

## PROFESSIONAL EXPERIENCE

Software Engineer Intern

May 2024 - Sep 2024

Yunex Traffic (formerly Traffic Department of Siemens)

Singapore

- Implemented 5 backend modules, including a report scheduler, file system manager, and data parser, using **Go** and **PostgreSQL**, to support tunnel asset management workflows.
- Enhanced code quality and reliability by applying Test-Driven Development (TDD), achieving 80% code coverage across unit, integration, and end-to-end tests.
- Streamlined the development workflow by integrating **Docker** into the **CI/CD pipeline**, and reduced critical code issues by 40% with SonarQube analysis.

Product Manager (Full-Time)

Jul 2022 - Jul 2023

Alibaba

Hangzhou, China

- Conducted in-depth analysis of user behavioral datasets using **SQL** and **Python**, identifying trends for product feature development, leading to a 15% improvement in purchase conversion rates and a **10% increase in GMV**.
- Collaborated with cross-functional teams, including engineering, design, and business stakeholders, to define and prioritize requirements for an e-commerce application.
- Applied agile methodologies to manage the development lifecycle of key product features, coordinating with developers to deliver high-quality releases on time.

## PROJECTS

Machine Learning Engineer

Dec 2024 - Jan 2025

End-to-End Diabetes Prediction Pipeline on Google Cloud

- Implemented a scalable machine learning pipeline on Google Cloud Platform (GCP) to predict diabetes, achieving **an accuracy of 96% and an ROC-AUC of 0.95**.
- Containerized the solution using Cloud Build and Google Artifact Registry, and **automated** data preprocessing, model training, and evaluation workflows using Vertex AI Pipelines, **cutting manual overhead by 50%**.
- Deployed the model via Vertex AI Endpoint, **enabling real-time predictions** for incoming patient data.
- Github repo: <https://github.com/leslie0605/diabetes-prediction-pipeline>

Full-Stack Software Engineer

Sep 2024 - Nov 2024

A personalized AI-driven Mock Interview Platform

- Led a team of three to design and develop an AI-driven platform, integrating large language models (LLMs), Text-to-Speech (TTS), and Automatic Speech Recognition (ASR), delivering a tailored interview preparation experience for candidates across multiple industries.
- Designed and implemented a scalable backend with **Node.js** and **JavaScript**, integrating **OpenAI APIs** to deliver role-specific question generation and real-time feedback for highly personalized mock interviews.
- Achieved a **4.2/5** average **user satisfaction** score in pilot testing, with users reporting increased confidence and better alignment of practice sessions to real-world interview scenarios.
- Github repo: <https://github.com/leslie0605/mock-interview-platform>