

Ding Yuxin

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Birth: 22/08/2003

Graduation time: 2026/06

Nationality: Chinese

Expecting Job: Backend Software Engineer

Github: <https://github.com/YuxinDing7>



EDUCATION BACKGROUND

M.Sc: National University of SingaporeComputer Engineering08/2025 - now

B.Eng: South China University of TechnologyArtificial Intelligence (88.73/100)08/2021 - 06/2025

Key Courses: C++ Programming Foundations(92), Data Structures(97), Artificial Intelligence and 3D Vision(93), Digital Logic Circuits(90), Digital Signal Processing(96), Java Programming(91), Deep Learning and Computer Vision (91), Digital Image Processing(93), Metaverse Introduction and Practice(93), Python(89), Reinforcement Learning(91)

INTERNSHIP EXPERIENCES

Kuaishou Technology Co., Ltd.
Backend Software Engineer25/03/2025 – 18/07/2025

- 618 E-Commerce PK Ranking List**

The 618 e-commerce ranking PK list is based on the weighted calculation of the product sales of influencers in the designated track, guiding users to buy products compete for the list. This project includes the M-end for configuring lists, the server for generating list data, and the client for displaying list data. The M-end can perform CRUD of list information and calculation rules. The server uses configurable SQL in scheduled tasks to conduct real-time weighted calculation of the sales data from click house and updates the obtained list data in Redis in real time. The client reads Redis to display the list data.
- Intelligent Editing of Live-streaming Clips for E-Commerce Using LLMs**

This project uses the QWEN-VL large model and the ffmpeg library to conduct real-time editing of e-commerce live-streaming streams, automatically extract the highlights, and generate short videos of product explanations with intelligent covers and subtitles.

VIVO Mobile Communication Co., Ltd.
Software Development Engineer in Testing15/01/2024 – 19/04/2024

- TaaS Platform**

This is a platform that integrates various testing tools together. I mainly participated in back-end development, writing java code and corresponding interface documentation based on requirements.
- LLM-assisted GUI Testing Platform**

This platform uses LangChain and LangGraph to build the Multi-Agent system and uses Gradio to build the front-end. It implements Android testing tools through UIAutomator2. Specifically, I wrote xml simplification algorithms to reduce the token cost.

PROJECT EXPERIENCES

Apartment Rental System (Spring+Mybatis+Redis+Mysql+Minio)05/02/2025 – 01/03/2025

This is a SpringBoot framework project; It uses Mybatis-plus to access database and minio to implement the image upload function; It uses Alibaba Cloud's SMS service and redis to implement mobile phone verification code login. Redis is also used as cache to speed up data query and reduce the average response time of interfaces.

Zhang Xuefeng's Digital Human for University Admission Consultation12/12/2023 – 13/01/2024

This project implements a digital human of Zhang Xuefeng in Unreal Engine, which uses an LLM with a knowledge base and fine-tuned to implement dialogue, and uses the VITS model to clone the voice, implementing TTS using Zhang Xuefeng's voice.

HONORS

- The Third-Class Scholarship of the University, the Academic Progress Scholarship
- Meritorious Winner in American MCM, Second Prize in Chinese MCM Guangdong Province

English: IELTS 7.5

Skills: Java, Spring, MySql, Redis, Python, Android