

Xiaotong Chen

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OBJECTIVE

With a solid educational background and hands-on experience, I bring familiar with multiple programming languages and frameworks. My journey has honed my skills in **software development, testing, and data analysis**. I aspire to join a progressive organization where I can utilize my abilities in system engineering and cloud technologies to deliver efficient, reliable, and cutting-edge solutions during my **six-month remote internship**.

EDUCATION

- **The Australian National University** Australia, Canberra
Master of Computing July. 2023 – July. 2025(Expected)
- **University of Wollongong(SIM Co-operate school)** Singapore
Bachelor of Computer Science (Double Major: Big Data and Digital system security) Oct. 2020 – June. 2023

SKILLS

- **Programming:** Proficient **Java**, familiar with **Python** and C++. Experience with Spring frameworks (Springboot, SpringCloud), MyBatis ; familiar with **python** basic APIs and basic **react** knowledge.
- **Database Management:** Familiar with data storage technologies such as **relational databases (MySQL)**, **non-relational databases (Redis)**, and cloud storage, among others.
- **Computer network:**Familiar with **OSI seven layer model and TCP/IP four layer architecture**, familiar with common network protocols such as **HTTP/HTTPS, TCP, UDP**, etc.
- **Testing and Debugging:** Experienced in **various testing methodologies** (unit, functional, manual) that improve product quality and user experience; adept at using tools for bug tracking and resolution.
- **Other related skills:**Proficient in using team development tools such as **Maven** and **Git**. Proficient in using **Linux, Docker**, and common commands.Familiar with Hadoop, Hive, **PowerBI** visualization and other technologies required for big data development.
- **Cloud technologies:** Having experience in cloud services (**AWS** and **Azure**) and relevant **certifications**.
- **Collaboration and Communication:** Demonstrated ability to work effectively in team settings, communicate with cross-functional teams, and lead projects to successful completion.

EXPERIENCE

China Mobile Communications Group Co., Ltd(CMCC) wutong Honghu 2024 Summer Camp -(remote)

Team Leader of Chongqing Mobile Research Group

July. 2024 - Aug. 2024

- **Job responsibilities:** The research direction is **big data visualization research** - perception ability visualization. Organize team members to report their progress to the supervisor every week, and present the research results through PPT.
- **Project content:** The main focus is on the visualization of perception capabilities on big data platforms, organizing relevant information on big data platforms, conducting research and practical applications, and producing a research report on problem-solving methods for the project.

JD.com (China, Beijing)

Test Development Engineer

Jan. 2024 - Feb. 2024

- **Job responsibilities:** According to the training plan, learn to read product requirement documents and use testing tools and various testing methods to conduct testing based on requirements, including writing stress testing scripts.
- **Internship achievements:** Master various testing methods such as buried point testing, unit testing, functional testing, manual testing, etc., and proficiently use relevant testing tools. Through proficient use of packet capture tools and log analysis, **more than 10 bugs** were successfully identified during the internship, with a **bug pass rate of 80%**. Communicate closely with the R&D and product teams to

effectively eliminate identified bugs.

- **Internship gains:** Gain a deep understanding of various testing methods, proficiently master the use of various testing tools, such as **packet capture tools (Fiddler, Charles)**, and improve the ability to understand product requirements.

Xjera Lab (Singapore)

Data Processing Engineer

Oct. 2019 - Jan. 2020

- **Job responsibilities:** Participate in cooperation projects between the company and the Singapore government, assist the company in improving the recognition capabilities of road/airport cameras through data processing and other methods, for identifying people and vehicles, and further summarizing and classifying them.
- **Internship achievements:** Using the **Python Selenium library** to write multiple **automation scripts**, such as automatically downloading multiple videos of road cameras from the Singapore government website and regularly merging related data files. Participate in camera testing at Changi Airport in Singapore, process the images generated by the cameras, use internal company software for machine learning, and provide modification suggestions based on the output results.

PROJECTS

Shangpin Selection Platform

Back-end Developer

Apr. 2024 - Jun. 2024

Main technologies: SpringCloud+Nacos+Redis+RabbitMQ+Elasticsearch+Kibana+Sentinel+Alibaba OSS

Project Description: Shangpin Selection Platform provides community group buying, online and offline instant delivery services through WeChat mini program. The core services of this platform include users, products, search, promotional activities, shopping carts, orders, and other services. Among them, coupon services meet the needs of the C-end audience by designing coupon rules, coupon flash sales, etc., such as promotion and retention. Excellent performance in concurrent scenarios, validated system stability and high throughput through stress testing using Jmeter.

Job description (mainly responsible for coupon services):

- 1. Use Redis+XXL-JOB scheduled tasks to collect user behavior data, calculate product popularity data, and regularly update it to Elasticsearch to achieve the retrieval and calculation of popular products;
- 2. Use Redis to design the shopping cart module, save the user's shopping cart data using Redis Hash, and set Redis to enable AOF persistence at a frequency of per second;
- 3. Built a full-text search server based on Elasticsearch, designed order index, product index, log index, and implemented visual data monitoring in conjunction with Kibana.

CERTIFICATIONS

- Microsoft: Azure Administrator Associate (AZ-104) and Fabric Analytics Engineer Associate(DP-600).
- AWS: Solutions Architect Associate (SAA-CO3) and Machine Learning Engineer Associate(MLA-C01).

School Activity

Google Developer Groups (GDG) - ANU

Technical Officer

Aug. 2024 - Now

- Plan and host club activities, enhance the technical atmosphere through collaboration with participants, and effectively promote the development of the club. Recently, I hosted a technology sharing meeting with an Australian Google AI expert on the use of Gemini, which promoted positive discussions on new technologies.