# Jiaqi Zhang

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## EDUCATION

**Lanzhou University**                                                                    Sep 2019 – Jun 2023
- **Background**: "Project 985" member university; B.E. in Computer Science and Technology
- **Weighted Average Score**: 89.35/100 (Compulsory Courses)    88.3/100 (All Courses)
- **Department Ranking**: 12/232 (Top 5%)
- **Coursework Highlights**: Data Structure (93), Computer Networks (93), Operating Systems (92), Principles of Computer Organization (92), Algorithm Design and Analysis (89)

## AWARDS & CERTIFICATES

- Computer Software Copyright Registration Certificate                                   Jun 2023
- Provincial First Prize in Guocai Cup National English Speech Competition               Dec 2022
- Career Motivation Scholarship of Shunde Intelligent Manufacturing                      Dec 2022
- Lanzhou University Outstanding Student Third-Class Scholarship              Dec 2020, 2021, 2022
- Lanzhou University Diligence and Advancement Scholarship                               Dec 2020

## INTERNSHIP EXPERIENCE

**Shopline Technology Co., LTD**                                                   Oct 2022 – Jan 2023
*Java Backend Development Intern (Advisor: Zehong Zhan)*
- Built aftersales-related submodules and features for the company of Shopline, one of Asia's biggest providers of omnichannel retail services and a subsidiary of the Nasdaq corporation of Joyy Inc.
- Implemented industrial-grade functionalities with high availability, including one that enables retailers to notify their customers of order status updates via channels provided by WhatsApp Business.
- Engaged deeply in the complete cycle of Iterative Software Development; obtained solid knowledge and hands-on experience of the process through team meetings, code reviews, advisor's mentorship, etc.

## RESEARCH & PROJECT EXPERIENCE

**Graduation Thesis Project, Rated "Excellent"**                                   Sep 2022 – May 2023
*Lightweight Spring-based RPC Framework (Advisor: Assoc. Prof. Chuanyi Liu)*
- Constructed a versatile Remote Procedure Call (RPC) framework middleware capable of processing mutual invocations among submodules in a Spring-based microservice distributed system.
- Designed and implemented numerous functionalities from scratch, including asynchronous invocations, automatic service registration and discovery, Consistent Hashing load balance strategy, etc.
- Gained deeper understanding into Java Web development, project management, and black box testing.

**College Students Innovation and Entrepreneurship Project**                       Mar 2022 – Mar 2023
*Pedestrian Detection System (Advisor: Assoc. Prof. Hanshu Cai)*
- Trained and tested a neural network model using transfer learning from Yolo-Fastest, an open-sourced object detection pre-trained model; assessed its accuracy and efficiency for performance betterment.
- Constructed a pedestrian detection system that can process the original RTSP video stream derived from a surveillance camera and box-select persons detected within each frame in a real-time manner.
- Developed research skills and engineering ability in the field of data science.

**Personal Project**                                                               Dec 2021 – Mar 2022
*Online Social Media Shopping Platform*
- Built a Java-based BS-structured platform with features including automatic email authentication, comments and posts publishing, nearby business searching, flash sale, etc.
- Implemented breakdown prevention measures against potential cache avalanche during a flash sale; solved the issue of overselling with tailored strategies using distributed locks.
- Acquired sturdy knowledge of backend system development in a high-concurrency environment.

## SKILLS & EXTRACURRICULARS

- IT Skills: Experienced in Java, MySQL, Redis, Git
- Language: Mandarin, Cantonese, English
- TOEFL iBT: 113/120 (Reading 30, Listening 26, Speaking 27, Writing 30)
- Led a team of eleven for volunteer teaching in Subei Mongolian Autonomous County, Gansu Province