Estella (Yuxin) Huang

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Education

University of California, Irvine   Sept. 2021 ~ Dec. 2022
Master of Software Engineering   *Irvine, CA*

China Three Gorges University (CTGU)   Sept. 2013 ~ Jun. 2017
Bachelor of Electronic Information Engineering   *Yichang, China*
Scholarships: 3rd Level Scholarship 2014; 1st Level Scholarship (**twice Top 6%**) 2015, 2016

Work Experience

Zhangmen Education Inc. (ZME)   *Shanghai, China*
R&D Engineer(Senior Backend)   Jan. 2021 ~ Jul. 2021
Project: Online Shopping Cart Center
- Designed a **distributed** shopping cart program for company's 290,000+ clients based on **Nacos** and **Spring Boot.**
- Implemented features - receiving, updating shopping list and collecting detailed info by **Spring cloud Feign.**
- Provided **RESTful** interfaces to calculate most favorable price for customers by finding best discounts and coupons of list items, put discount product combinations in front and cache data in **Redis.** This resulted in user-friendly shopping experiences, faster access speed.

Project: Online Commodity Center
- Implemented Interfaces - batch operating 100+ commodities status and attributes on message queue **RocketMQ** in collaboration with a team of 5.
- Programmed a commodity searching function and delivered best match result with complex conditions by adapting different properties' weights and query methods in **Elasticsearch** and setting best Shard numbers and suitable Analyzers for indexed fields.

China Pacific Life Insurance Co., Ltd. (CPIC)   *Shanghai, China*
Java Developer   Feb. 2019 ~ Oct. 2020
Project: CPIC Application Framework (CAF)
- Developed a basic technology framework of distributed systems and best practices for over 2000 development teams
- Optimized functions such as user management, role management, resource management, cache management, and permission management in a team of 16 by Using **Eureka** for Service Discovery, **Docker** for containerization, **Druid** for thread pool management.
- Mentored **intern** to build blog website, learn basic **Java Web Development** skills and **Automated Interface Testing.**

Project: Customized SonarQube Scanning Platform
- Generated visualized data of custom components' utilization rates in Excel by examining 2000+ Java projects in company's **GitLab.**
- Coded with IO, **JGit** and **Concurrent Programming** to auto-download projects from code repositories, rewrote an open-source code **SonarQube** for static code scanning, decreasing time spent by automating analysis and output data.

Project: CPIC Zhuoma Middle Platform & Zhuomo Document Library Search Service
- Created online document title and body search service for all employees, improved employees' work efficiency.
- Led to rewrite **open-source code-Canal** to accomplish automatic data synchronization from **MySQL** to **Elasticsearch** Realized information search according to scope of documents user has permission to read.

Shanghai Rock FinTech Co., Ltd.   *Shanghai, China*
Java Developer   Apr. 2018 ~ Jan. 2019
Project: Internet Accounting Management System
- Provided money transaction and account management services utilized by external companies with 1000,000+ clients with **Oracle** database.
- Analyzed and optimized transaction system's possible risks, later reconstructed core save and withdraw money features with **RabbitMQ** resulting in increased stability and decreased lag time automatic notifications.

Project: Configuration Center & Custom Refresh Framework
- Created a configuration center to receive and hot update projects' properties triggered by **Git Hooks.**
- Built a refresh project compatible with Spring/Spring Boot programs and 18 data types and integrated **Spring Cloud Config,** reducing DevOps' burden by avoiding work overtime caused by release configuration.

Technical Skills

- **Languages and framework**: Java, SQL, SpringBoot, Spring, Maven, Mybatis, Ehcache, Druid, JavaScript, Html, CSS.
- **Middleware**: RabbitMQ, RocketMQ, Apollo, SpringCloud Config, Redis.
- **Database and DevOps Tools:** MySql, Oracle, Elasticsearch, Docker, Jenkins, Git.