

# Yuzhu Zhang

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**OBJECTIVE:** Software Engineer, new grad, full time position

## EDUCATION

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**Clemson University, Clemson, SC**

Dec. 2018

*Master of Computer Science*

**University of Science and Technology of China, Suzhou, China**

Jul. 2020

*Master of Software Engineering*

**Shandong University, Jinan, China**

Jul. 2016

*Bachelor of Digital Media Technology*

## EXPERIENCE

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Software Engineer, Intern

**Bytedance Network Technology Co., Ltd(China)**

May. 2018 - Aug. 2018

### Employee self-service Web Application by Python

- Implemented salary accounting feature by **python** and **Django** framework and optimized the performance by using **Redis** as cache, **Redis rq** and database master slave replication method
- Refactored the pay plan matching feature from hard code to user configurable mode
- Imported **pytest** framework for the salary management microservice of this web application and improved the unit test coverage from 40% to 46%
- Implemented exporting offer information feature in asynchronous way by **Redis rq**.

Software Engineer, Intern

**Guoyun Data Technology Co., Ltd Intern(China)**

Mar. 2017 - Jun. 2017

### Big Data Analysis Java Web Application

- Maintained and Optimized the SQL Grammar Verification Machine by Java in Spring framework
- Developed a Row-Level Permission feature for this application by Java in Spring framework

## SKILLS

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Languages: **Java**, **Python**, Html/CSS, JavaScript, C, C++, PHP

Frameworks: **Django**, **Spring**, SpringMVC, pytest, Struts, Hibernate, Mybatis, BootStrap

Tools: **MySQL**, Redis, Git, Linux, Docker, Maven, Tomcat, JSON

Others: TCP/IP, HTTP,

## COURSE PORJECT

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### Expert Platform Website

- Developed this Expert Platform website to provide project cooperation for experts and corporate users by using **Java**, **SpringMVC** + **Spring** + **Mybatis** framework and **MySQL** database
- Implemented diverse features including registration, message management, project publish and search, personal information update and permission control

### Golden Finger Children Handwork Website

- Developed this website to provide online courses on children's handcrafts using java, **Spring** + **Struts** + **Hibernate** frameworks and **MySQL** database
- Built several features including registration, course publish, search, reservation and cancellation, permission control
- Developed front end pages with HTML/CSS, JavaScript and BootStrap framework

### Java MVC framework

- Implemented a MVC framework following the Model-View-Controller design pattern principle
- Built several features including controller, interceptor, DAO and IoC Container by **java**

### Optimization of XV6 Operating System

- Added share memory feature into XV6 system by **C**
- Implemented kernel thread feature
- Developed a file system consistency checker and modified existing xv6 file system to prevent data corruption