Yuzhu Zhang

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OBJECTIVE: Software Engineer, new grad, full time position

EDUCATION

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

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 R**edis** 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.
- 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

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

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 crafts 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