SHAO, ZIWEI (ERIC)

Address, Pittsburgh, PA ▪ +1 4129806026 ▪ ziweisha@andrew.cmu.edu

Education

Carnegie Mellon University   **Pittsburgh, USA**
Master of Information Systems Management   Graduating Dec 2023
Current Coursework: Object Oriented Programming in JAVA, Database Management, Intermediate Statistics

The University Of Hong Kong   **Hong Kong**
Bachelor of Engineering (Computer Science), Double Major in Finance   Graduated Dec 2021
Major GPA: 3.4/4.3
Relevant Coursework: Principles of operating systems(A+), Programming technologies and tools(A), Introduction to database management systems, Software engineering

The University Of North Carolina at Chapel Hill   **Chapel Hill, USA**
Exchange Student   Jan 2020 – May 2020
GPA: 4.0/4.0
Relevant Coursework: Internet services & protocol(A), Algorithms & analysis(A), Machine learning(A)

Project

Log-Tracing System
▪ Designed and implemented a trace-ID module for Zipkin to gather timing data across different systems to troubleshoot latency problems

Product Center – Core-banking System
▪ Developed a system to manage the parameters of deposit and loan products based on the Spring framework
▪ Participated in the Read/Write Splitting reformation of the system to reduce the latency of queries

Work Experience

Tencent Technology   **Shen Zhen, China**
Software Development Engineer (Full-time), Core Banking System Team   July 2021 – July 2022
▪ Refactored the interest calculation module to support concurrent execution which is **8 times faster** than the original single thread execution version and reduced day-end batch transactions' processing time
▪ Optimized the slow-SQLs in the system to ensure that the APIs' average response time is within **100ms**
▪ Designed and built a log monitor system on which the developers can view log data of different remote servers from one portal

China International Capital Corporation Limited (CICC)   **Bei Jing, China**
Off-cycle Analyst, Equity Research   Jan 2021 – May 2021
▪ Completed an initiating coverage report on a leading transaction based B2B company
▪ Conducted two research projects on the development of American tech giants

Tencent Technology   **Shen Zhen, China**
Software Development Internship, Blockchain Development Team   May 2020 – July 2020
▪ Developed a cryptographic function library based on aggregate signatures which can **reduce the size of the signatures** in the transmission process

Leadership & Activities

The University Of Hong Kong, Faculty of Engineering   **Hong Kong**
Teaching Assistant for Programming Technologies   *Sep 2020 – Dec 2020*
▪ Deliver multiple tutorial sessions to a class of 20 students on key topics such as recursion and pointer
▪ Organized review sessions before midterm and final exams to improve students' understanding of course material and horn their programming skills

Skills & Interests

▪ Languages: JAVA, C++, SQL, Python, Haskell
▪ Tools: Spring Framework, Feign, Druid, ELK Stack