XIYUE ZHANG

732-810-6205 | xiyue.zhang@rutgers.edu| linkedin.com/in/xiyue-zhang-357950204

EDUCATION

Rutgers University, New Brunswick, NJ   Aug 2018 - Expected Jan 2023
B.S. in Computer Science and Statistics Double Major   Accumulative GPA: 3.88

RELATED EXPERIENCE

Baidu.com, Inc   Beijing, China
Software Engineer Intern   Nov 2020-May 2021
- Optimized Baidu FedCube Federated Learning Platform by adding **Python** support, enhanced the compatibility.
- Proposed 5 different ways to utilize the federated platform for clients including personalized VM and combination of static & non-static cloud VM.
- Completed the data encryption & decryption for Federated Learning process using **C and Shell programming**, increased 30% percent of the platform's privacy and security.
- Applied for a patent "Data interaction methods, devices, electronic devices, and computer-readable storage media" (patent no.BO210223GDL1).

DaTang Telecom Convergence Communications co.   Beijing, China
Backend Engineer Intern   Jan 2020-May 2020
- Built a new Control System for Power & Environmental Equipment in Computer Server Rooms to obviate fire and short circuit issues of the system.
- Replaced the Control System's **MySQL** with **HDFS** to prevent network traffic and extended storage capacity by 50%.
- Implemented the RESTFUL API for data collection system and connected a website to MySQL and HDFS using **SpringBoot** and **Mybatis**, ensured more than 30 clients' access to the database.

Rutgers University Learning Center   New Brunswick, NJ
Learning Center Tutor   Sep 2019-Jan 2020
- Tutor 10 hours per week in Intro to Java, Data Structure, Statistics I&II, and Linear Algebra.
- Guide distinctive groups of 2-5 students each week to solve their concerns in tests and projects.

Projects

Android Chess APP (Software Methodology)   Feb 2021
- Visualized the chessboard, gaming process, result page, and history game list using Java.
- Implemented cancel, redo, end game, AI help (give hints to the player), and replay history games functions, passed all test cases and received full credit.

Multi-user Photo Library (Software Methodology)   June 2021
- Designed the login page, album page, photo library page, and display photo page using JavaFX and Java.
- Implemented login, add/delete/rename album, add/delete/rename photo, tag/copy/move/edit/display photo, and search by photo info page, passed all test cases and received full credit.

SKILLS and HONORS

Major Courses: Artificial Intelligence(A), Internet Technology(A), Computer Architecture(A), Data Structure(A), Regression Methods(A), Discrete Mathematics(A), Multivariate analysis(A), software Methodology(A)
Language: Java, Python, JavaFX, C, SQL, R, Microsoft Office (Word, Excel, PowerPoint)
Framework: SSM (Spring, SpringMVC, MyBatis), SpringBoot
Honors: Rutgers University Dean's List for three consecutive years (2020-2022)