Ruiqi Jiang, CPA

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Programming/Languages:

C; Java; Python; SQL; Assembler

EDUCATION:

The University of Pennsylvania Philadelphia, PA
Master of Computer Information Technology GPA 3.78/4.0 May 2022
The University of Georgia Athens, GA
Master of Accountancy GPA 3.82/4.0 May 2018

Courses:

Introduction to software development, Introduction to computer system, Data structure and software design, Algorithm and computation

PROJECT:

Twitter Data Analyzer:

- Design and develop an application that analyzes a set of Twitter data to look for tweets regarding occurrences of the flu and determines the US states in which these tweets occur.
- Design a software system using an N-tier architecture, with better scalability, better fault tolerance ability, and independent tier upgrading and changing ability without affecting other tiers.
- Design software using the principles of modularity, functional independence, and abstraction.
- Prevent objects from instantiating unnecessary objects by applying the Singleton design pattern, which ensure object access and resources deallocation are done through unify spot.

Network Programming:

- Implement a TCP client and server that does a three-way handshake, a well-known protocol sequence used in communication networks.
- Multi-threaded server. Improve the server implementation by making it concurrent with multithreading. Respond efficiently and quickly to the increasing client queries quickly and decrease waiting time for users.
- Event-driven server. Implement a single-threaded but concurrent server using event-driven techniques. The approach is to create an event loop and wait for an event to occur. When the event occurs, check the check and do the work as required (issuing I/O request and scheduling other events for the future).

Todo Management Application:

- A web application that supports to-do list management with authentication features.
- Design and implement the full stack application with React/bootstrap and Spring Boot frameworks.
- Use React to create interactive UIs, design simple views for each state in application and efficiently update and render the right components when data changes.
- Design restful APIs and connect with the React frontend
- Use Spring Security to configure Basic Authentication and JWT
- Use Maven to manage dependencies, which allows project to directly specify the versions of artifacts to be used when they are encountered in transitive dependencies or in dependencies where no version has been specified

EXPERIENCE:

King & Wood Mallesons, LLP Menlo Park, CA
Accountant July 2020-Current
Grant Thornton, LLP San Jose, CA
Audit Associate II September 2019-July 2020
Windham Brannon, PC Atlanta, GA
Audit Associate July 2018- September 2019
Auditing Internship January 2017-April 2017