DANIYAL IQBAL

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EDUCATION

DePauw University   Greencastle, IN
Bachelor's in Computer science and Mathematics   Sep 2020 – Dec 2023
Dean's Honors List 2021, 22
Relevant Coursework:
- **C.S**: Data Structures and Algorithms, Computer Systems, Object Oriented Software Development, Foundations of Computer Science, Databases and File Systems, Mobile App Development, Web Development
- **MATH:** Calculus, Calculus II, Linear Algebra, Discrete Mathematics

SKILLS

- Java, C++, JavaScript, HTML, CSS, Scala, SQL, React.js, Node.js, Express.js, NestJS, Ruby on Rails, MongoDB, Mongoose, Git/GitHub, Bootstrap, jQuery, AWS EC2, AWS RDB, AWS S3

WORK EXPERIENCE

Software Engineering Intern   Indianapolis, IN
Moser Consulting   Aug 2022 – Dec 2022
- Working on agile projects to build fast, clean, and responsive full stack web applications
- Frontend development using JavaScript frameworks/libraries such as React, Redux, and Angular 6.
- Backend RESTful API development using frameworks such as Node, Express, NestJS, Java Spring Boot, and Ruby on Rails.
- Database layer development using PostgreSQL and maintaining consistent environments using Docker.
- Utilizing AWS and Kubernetes for CI/CD functionality and applications/services hosting.

Technical Support Intern   Greencastle, IN
DePauw University   Aug 2021 – Aug 2022
- Troubleshooting and repairing clientele's technology along with providing professional customer service at the front desk. Built solutions on hardware and software in Mac OS, Windows, Android, and Virtual Desktop setups. Process service requests and issues following established workflows and procedures using the department ticketing system

Teaching Assistant for Data Structures   Greencastle, IN
DePauw University   Aug 2021 – Aug 2022
- Teach a class of 20+ students by holding office hours to explain and demonstrate algorithms for projects, answering conceptual questions on C++ and during lectures, and formulating exam content.
- Lead a weekly discussion section for lecture review with 20+ students enhancing students' understanding on concepts including lists, trees, maps, and sorting.

PROJECT EXPERIENCE

Shortest Path (C++)   April 2021
- Implemented an algorithm that allowed us to find the smallest distance between 2 vertices on a coordinate plane.
- Used an implementation of **Dijkstra's algorithm** to calculate the shortest distance between our start and end points by comparing these node's respective weights.

Repair Shop Android Application (Java)   April 2022
- Hired by a company to work on its vehicle repair logging app (Repair Shop) that allows a user to keep track of the vehicles they own as well as the repairs for each vehicle.
- Implemented Code using the CRD (Create, Read, and Delete) operation of the local SQLite Database the Android uses on the user's device

ADDITIONAL INFORMATION

- Among the group of 17 participants from Pakistan at the **World Youth Scrabble Championship** in Lille, France
- **Spoken languages:** English, Hindi, Urdu
- Marketing Manager of Nixor Log X