DANIYAL IQBAL

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EDUCATION

DePauw University   Greencastle, IN
  Bachelors in Computer Science   Sep 2020 – Jan 2024
Dean's Honors List 2021, 22, 23
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, Computer Security
- *MATH:* Calculus, Calculus II, Linear Algebra, Discrete Mathematics

LANGUAGES AND SKILLS

- **Languages**: Java, Python, HTML, CSS, JavaScript, C/C++, C#, Scala, R, jQuery
- **Frameworks**: React, Angular, NodeJS,
- **Technologies**/Tools: Git, Linux, Eclipse, Bootstrap, Pandas, MongoDB, Sqlite3
- **Cloud Computing**: AWS, Azure

WORK EXPERIENCE

Software Engineering Intern (Current)   **Austin**, TX
Dell Technologies   May 2023– Current
- Currently developing a full solution for the firmware update of the Software Defined Persistent Memory (SDPM) battery backup unit (BBU).
- Will be utilizing C and C++ programming languages primarily as well as concepts like inter-process communication, multi-threaded applications, RESTful APIs, Redfish API, and I2C protocol.

Software Engineer Intern   **Indianapolis**, IN
Moser Consulting   Aug 2022 – Dec 2022
- Working as a Full Stack Developer on the State of Indiana's Horse Racing Commission Application.
- Developed a custom Banking web application utilized by 100+ judges and coaches across Indiana.
- Gained proficiency in Angular and the .NET technology stack (C#, Azure, SQL), utilizing these technologies to build and deploy the web application.
- Collaborated closely with a team of 10 engineers, prioritizing effective communication and meeting sprint deliverables in an agile Scrum environment.

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

Wali Timer   April 2022
- Developed and maintained the backend of Wali Time, the official phone timer for scrabble players, ensuring smooth functionality and optimal user experience.
- Managed a user base of over 1000 individuals, providing them with a reliable timer solution for both scrabble tournaments and friendly games.
- Utilized Java and Android Studio as primary tools to create and enhance the Wali Time application, delivering high-quality code and implementing key features.

ADDITIONAL INFORMATION

- Among the group of 17 participants from Pakistan at the **World Youth Scrabble Championship** in Lille, France
- **Above and Beyond Computer Science** fellow at **Meta (formerly Facebook)**
- **Microsoft TEALS** Volunteer