Qasim Khan

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Well-rounded, enthusiastic, and culturally aware team player. I aim to become a technical leader and to drive the development of innovative software solutions that satisfy real business needs.

EDUCATION

Bachelor of Science, Computer Science   Graduation Date: May 2023

George Mason University, Fairfax, VA | GPA: 3.6

Relevant Coursework: Data Structures, Analysis of Algorithms, Computer Systems Architecture, Database Concepts, Comparative Programming Languages, Secure Programming, and Operating Systems

SKILLS

Certification: AWS Certified Developer - Associate
Programming Languages: Python, Java, C, Haskell, HTML, CSS, JavaScript, MIPS, MATLAB, TeX
Tools: Visual Studio, Eclipse, GitHub, GitLab, SQLDeveloper, MongoDB Compass
Operating Systems: MacOS, Windows
Office Tools: Microsoft Excel, Microsoft Word, Microsoft PowerPoint
Languages: English (Fluent), Urdu (Fluent), French (Conversant)

EXPERIENCE

Teaching Assistant | George Mason University   October 2021 – May 2023

Served as an undergraduate teaching assistant for the following courses in computer science:

Introduction to Computer Programming (Python) & Object-Oriented Programming (Java)

- Communicated complex concepts to students in a concise manner in verbal and written form.
- Assisted professors in preparing and grading assignments for undergraduate courses.
- Planned and organized review sessions and office hours for students

LEADERSHIP EXPERIENCE

Race Car Grand Prix Tournament | **Scrum Master**

Developed software in a team environment for remote control of race cars using a Raspberry Pi using agile development processes.

- Led bi-weekly sprints and was responsible for identifying which features were to be implemented.
- Facilitated communication and integration across teams.

RELATED ACADEMIC EXPERIENCE (PROJECTS)

Task Manager | C

Implemented a robust task manager leveraging Unix-like principles of process management such as process execution, control and signaling.

OS161 | C

Implemented synchronization primitives to facilitate concurrency & advanced algorithms for OS services such as memory management and process scheduling.

Hospital Organization Database | SQL & Mongo

Designed a conceptual schema using an EER data model using an EER data model and incorporated it into a relational database management system. Used SQL commands to create a script that creates the same database in MongoDB and ran queries on both databases.