Mahmood Alnasleh

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Education

Bachelor of Science (BSc) in Computer Science   **Sep 2020 – May 2024**
University of Calgary, Calgary   cumulative GPA: 4.0/4.0

Technical Skills

Java | Python | C | C++ | C# | Unit testing | UML Diagrams | SQL | Django | Git Version Control | Windows Presentation Foundation (WPF) | Agile Development | HTML | CSS | JavaScript | React | Docker

Technical Projects

- **Distributed File Sharing System (Completed):** Designed and implemented a robust distributed file system using Java. Leveraged Java RMI technology and replication to facilitate seamless remote method invocation, high scalability and fault tolerance across networked environments.
- **Health Portal Web Application (Completed):** Developed a full stack web application representing a health portal using Django and python. Demonstrating database management, and Django framework proficiency.
- **Checkers Program (completed):** Given basic code for pretty printing and modules, created a 2-player checkers program in Haskell. Exhibiting skills in functional programming, heuristics, and problem solving.

Professional Experience

Software Engineering Coop
General Dynamics Canada, Calgary, Alberta   **May 2022 – Sep 2023**

- Used C# and WPF to build a desktop application responsible for displaying information received from a service. The application was used as an internal test tool by the team on a daily basis.
- Participated effectively in an Agile software development team, consistently delivering on my tasks and communicating issues. Ensuring the team is in the best position to meet project milestones.
- Developed familiarity working with Data Distribution Services (DDS), including making Quality of Service (QoS) changes, and creating/debugging subscriber-publisher relationships.
- Engaged in collaborative code reviews with senior software engineers, fostering a deeper understanding of industry best practices. Also contributed feedback to enhance the quality and robustness of colleagues' code.
- Executed and wrote formal software test procedures, ensuring functionality coverage and reliability of delivered code.

Remote Software Intern   **Jul 2021 – Sep 2021**
TechStorm PC, Calgary, Alberta

- Used the google maps SDK to write a Java class responsible for calculating the distance between 2 given addresses. Allowing the customer to populate generated job events with distance information.
- Implemented an HTTP endpoint in Spring Boot to export data from the CRM system into an iCal file. Utilized by the customer to automatically create a job booking.
- Used branch-based development in git for proper version control and used the pull request system in GitHub for code review. Certifying traceability of my code in case any issues arose.
- Created JUnit tests for new and existing code using JUnit and Mockito. Confirming my programs displayed the correct and intended behavior.