

Mahmoud Al Khatib

3rd year - B.Sc. in Computer Science



alkhatibmahmoud



Mahmoud Al Khatib



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EXPERIENCE

JR. SOFTWARE DEVELOPER, CO-OP | FATIGUE SCIENCE

Jan 2022 - Current | Vancouver, BC

- Implemented Read/Write split that improved data base scaling
- Responsible for customer tickets and development for Web-based Imaging Workflow product which supports various services like study anonymization, HL7 message communication, APIs with different PACS systems programming in C#, .NET framework and the worklist SPA for radiologists with JavaScript, CSS, HTML

SOFTWARE DEVELOPMENT ENGINEER, CO-OP | CHANGE HEALTHCARE

Sept 2021 - Jan 2022 | Richmond, BC

- Implemented Read/Write split that improved data base scaling by 25%
- Responsible for customer tickets and development for Web-based Imaging Workflow product which supports various services like study anonymization, HL7 message communication, APIs with different PACS systems programming in C#, .NET framework and the worklist SPA for radiologists with JavaScript, CSS, HTML
- Mentored other new Co-op students and helped them get involved in the team smoothly as well as get used to the product being worked on
- Integrated token-authenticated launches for PACS (DICOM image viewer) from different companies, bypassing hard-coded legacy codes and making the launch process more efficient

DATA STRUCTURES AND ALGORITHMS TEACHING ASSISTANT | UBC

Jan 2021 - current | Metropolis

- Taught Data Structures - in **C++** - including Linked Lists, Stack, Queues, Tree structures, Disjoint sets, Heap, Hashmaps, Graphs. Explained sorting algorithms, DFS, BFS, Dijkstra.
- Evaluated and reviewed code for student's projects and/or assignments based on set requirement analysis and set rubrics.
- Helped over 300 students to develop and debug programs.

PROJECTS

INSIGHT UBC

current

- Developed a web application with rest endpoints using TypeScript.
- Implemented a data controller that can parse HTML and JSON data and a query engine that handles queries in the form of JSON Object.
- Followed Test-Driven Development process, and wrote Robust tests for both backend and frontend.

UMAMI | LAUNCHPAD UBC

2021

- Built a mobile application and a web application to help users find healthy recipes online and save them to their pantry
- Architect ed and Developed API calls to scrape web pages for healthy recipes and populating MySQL Database
- Collaborated with a team of 11 developers, designers, and strategists in a professional environment organized using the agile methodology

SKILLS

PROGRAMMING

C# • C • C++ • JavaScript
• Python • MySQL • CSS •
HTML • PHP • .NET • ASP.NET
core • Google Cloud Platform
• MongoDB • Express • React
• CouchBase • React • Ionic
Capacitor • FastAPI • Docker •
NodeJS • Ruby on Railway

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

B.Sc. IN COMPUTER SCIENCE

Sept 2018 - Dec 2023 | Vancouver, BC

Major GPA: 3.75

AWARDS

INTERNATIONAL LEADER OF TOMORROW

THIS AWARD RECOGNIZES

INTERNATIONAL UNDERGRADUATE

STUDENTS WHO DEMONSTRATE

superior academic achievement,

exceptional leadership skills,

involvement in student affairs and

community service, AND

RECOGNIZED ACHIEVEMENT IN OTHER

KEY AREAS.

Sept 2018 - current | Vancouver, BC