Elham Badri

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EDUCATION

University of Toronto   Scarborough, ON
Honours Bachelor of Science - Computer Science Co-op   *Sep. 2020 –Aug 2024*
 GPA: 3.78/4.00
 Awards: Dean's List, University of Toronto Scholars Award

EXPERIENCE

Software Developer   Sep. 2022 – Dec. 2022
Oracle   *Toronto, ON*
- Developed new UI and backend features using **Java**, **Typescript**, **Git**, **SQL**, and **Perforce** in an **agile** environment, following **object-oriented** design principles and enhancing the user experience
- Resolved issues and improved application stability, usability, and performance using **Java** and **SQL**
- Improved search functionality using **Java** while communicating with project managers, resulting in a **60**% faster search experience and improved user experience
- Ensured stability and reliability of new features through comprehensive **unit testing**, achieving **100**% **test coverage**
- Demonstrated features and solutions to team members to identify and address technical challenges, sharing knowledge and expertise to drive project success

Software Developer and Analyst   Jan. 2022 – May. 2022
Sunnybrook Research Institute   *Toronto, ON*
- Implemented new features, fixed bugs for, and documented a medical time series analysis and annotation application, as a single developer, using **JavaScript**, **jQuery**, **Meteor**, and **MongoDB**, resulting in **1000+** lines of code written
- Refactored code while implementing custom channel scaling, scaling channels to fit the screen, translating channels, reversing the polarity of a channel, ultimately increasing speeds by **300**%
- Integrated different annotation features, improved crosshair sync, and the ability to choose specific channels to render, reducing task completion time by **50**%

SKILLS

Languages: Python, C, Java, JavaScript, Typescript, HTML, CSS, SQL
Frameworks / Libraries: React, Redux, Node.js, Express, Axios, Android, Flask, jQuery,
Developer Tools / Databases: Git, GitHub, Heroku, Netlify, MongoDB, mySQL, Linux, Firebase, Perforce
Other: Object-Oriented Design, Teamwork, Communication, Problem-Solving, Leadership, Agile Methodologies

PROJECTS

HealthSchedule | *Java, Android Studio, Firebase, Git, Object-Oriented Design, Agile/Scrum*   Aug. 2021
- Developed a clinic scheduler **Android** application using **Java** and **Android Studio** following a **Scrum** process
- Designed Doctor, User, Patient, Appointment **classes** and worked on first iteration of the dashboard

SocialPhoto | *MongoDB, Express, React, Redux, Node, Javascript, Netlify, Heroku, Git*   Sep. 2021
- Built and deployed a full stack **CRUD** photo sharing application
- Used **MERN** stack to develop application and deployed using **Netlify** and **Heroku**

Vent | *MongoDB, Express, React, Node, Javascript, Netlify, Heroku, Git*   Sep. 2021
- Built and deployed a full stack confession web application at **Hack the North 2021**
- Used **MERN** stack to develop application and deployed using **Netlify** and **Heroku**

WikiMe | *Python, Flask, Git*   Jan 2021
- Programmed various functions in a **Flask** backend to generate a quiz using Wikipedia's API in **2 days** at **Hack the North 2020++**
- Leveraged the **scikit-learn** library and tf-idf to locate the top 10 most important words within a Wikipedia article to generate quiz
- Developed **endpoints** that could be easily used by the frontend team in **under 36 hours**

Sorting Visualizer | *HTML, CSS, React, Javascript, Git*   May 2021 – Aug. 2021
- Utilized React to develop an application that visualizes different **sorting algorithms**
- Investigated various sorting algorithms such as **Bubble Sort**, **Insertion Sort** and **Selection Sort**