

Elham Badri

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EDUCATION

University of Toronto

Honours Bachelor of Science - Computer Science Co-op

Scarborough, ON

Sep. 2020 – Aug 2024

GPA: 3.78/4.00

Relevant Coursework: Introduction to Computer Science, Introduction to Computer Science II, Software Design

Awards: Dean's List, University of Toronto Scholars Award

EXPERIENCE

Software Developer and Analyst

Jan. 2022 – May. 2022

Sunnybrook Research Institute

Toronto, ON

- Implemented new features and fixed bugs for a medical time series analysis and annotation application, as a single developer, using JavaScript, jQuery, Meteor, and MongoDB, which was demonstrated to a panel of sleep experts and received positive feedback
- Refactored code and implemented features such as custom channel scaling, scaling channels to fit the screen, translating channels, reversing the polarity of a channel, ultimately increasing speeds by 300%
- Implemented different annotation features, improved crosshair sync, and the ability to choose specific channels to render, significantly improving user experience
- Collaborated with supervisor to ensure requirements were met on time

PROJECTS

HealthSchedule | *Java, Android Studio, Firebase, Git, Object-Oriented Design, Agile Methodologies*

Aug. 2021

- Developed a clinic scheduler Android application using Java and Android Studio following a Scrum process
- Created Doctor, User, Patient, Appointment classes and worked on first version of the dashboard
- Implemented first version of the Model-View-Presenter Model

SocialPhoto | *MongoDB, Express, React, Redux, Node, Javascript, Netlify, Heroku, Git*

Sep. 2021

- Built and deployed a full stack photo sharing application, allowing users to create, edit, like, and delete posts
- Used Node, React, Redux, Express, and MongoDB 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 Node, React, Express, and MongoDB to develop application and deployed using Netlify and Heroku

WikiMe | *Python, Flask, Git*

Jan 2021

- Implemented various functions in a flask backend to generate a quiz using Wikipedia's API in 2 days at Hack the North 2020++
- Utilized scikit-learn library and tf-idf to locate the top 10 most important words within a Wikipedia article to generate quiz and received positive feedback
- 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
- Implemented various sorting algorithms such as Bubble Sort, Insertion Sort and Selection Sort

LEADERSHIP

Taekwondo Instructor

Nov. 2014 – Mar. 2020

World Master Taekwondo Academy

North York, ON

- Instructed two to four classes each week teaching between 15 - 30 students per class
- Used leadership and communication skills to promote discipline and respect

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML, CSS

Frameworks / Libraries: React, Redux, Node.js, Express, Axios, Android, Flask, jQuery, Meteor

Developer Tools / Databases: Git, GitHub, Heroku, Netlify, VS Code, MongoDB, MySQL, Linux, Firebase RDB

Other: Object-Oriented Design, Teamwork, Communication, Problem-Solving, Leadership, Agile Methodologies