

# Elham Badri

(647)-571-5641 | [Portfolio/Elham](#) | [elhambadri24@gmail.com](mailto:elhambadri24@gmail.com) | [linkedin.com/Elham](https://www.linkedin.com/Elham) | [github.com/ElhamBadri2411](https://github.com/ElhamBadri2411) |

## 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 change point annotations and sleep stage annotations, significantly increasing ease of use
- Collaborated with supervisor to ensure requirements were met on time
- Worked with an Apache server to deploy changes efficiently

## 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

### Peer Tutoring Manager

Oct. 2019 – Mar. 2020

*Georges Vanier Secondary School*

*North York, ON*

- Analyzed each tutor's skills and matched them with a tutee which received positive feedback
- Communicated with over 30 tutors and tutees to create a schedule, allowing them to meet on their given days

## 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