

Elham Badri

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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, MongoDB, MySQL, Linux, Firebase

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

EDUCATION

University of Toronto

Scarborough, ON

Honours Bachelor of Science - Computer Science Co-op

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, 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%**
- Deployed changes on an **Apache** server **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
- Designed 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 **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**

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
- Employed **leadership** and **communication** skills to promote **discipline** and **respect**