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