KARIM BELFORD

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EDUCATION

Bachelor of Computer Science (Hons), Minor in Mathematics and Statistics   Windsor, ON
University of Windsor   Sep. 2018 – Aug. 2022

- **Languages:** C, C++, Java, JavaScript, Python, HTML, CSS, PHP
- **Frameworks & Tools:** Windows**,** Linux, ReactJS, MongoDB, SQL, NodeJS, Express
- **Certificates:** JavaScript Algorithms and Data Structures(FCC), Python Scientific Computing and Machine Learning(FCC)
- **Competitions:** BorderHacks 2020, Hack the North 2021
- **Relevant Courses:** Object-Oriented Programming Using Java, Data Structures & Algorithms, Project Management: Techniques & Tools, Software Verification and Testing

Relevant Experience

Top Reps App   Aug. 2022 – Present
JavaScript, SASS, ReactJS, Firestore, Firebase

- Developed a fully functioning non-production E-commerce clothing store which has a create account and sign-in page for authentication. Website has various categories for users to shop and can add items to cart and checkout.
- Firestore was used on the back-end to handle user authentication and was used to store inventory data into a firestore cloud database

Face Recognition App   Aug. 2022 – Nov. 2022
JavaScript, CSS, HTML, ReactJS, NodeJS, ExpressJS, PostgresDB, Clarifai API,

- Developed a face recognition app where the user inputs an image and using the Clarifai API the app can detect if the user input is a face.
- Front-End was developed using JavaScript, HTML, CSS and ReactJS
- Back-End server was developed JavaScript, NodeJS, and ExpressJS. Knex and Cors API were used to connect the server to the Postgress database. Bcrypt API was used to ensure that sensitive information was hashed when stored.

Vectorization of Online Social Networks   Jan. 2022 – Apr. 2022
Python, Matplotlib, Numpy, Pandas

- Developed AI models using the Word2Vec algorithm and Graph embeddings
- Models developed were passed Facebook dataset and used Deepwalk to find similar pages and make recommendations based on a user's interest

Graphic Grabber App   Nov. 2020 – Jan. 2021
Java, PHP, MongoDB

- Lead the development of an image gallery app that allows users to search for an image and view different styles of that image
- Java was used to develop the GUI
- PHP scripts were used to connect to the online database

Additional Information

Past Employment– Warehouse Associate at DHL (2021-2022), Kreative Edge Landscaping (2019), Tim Hortons Team Member (2016-2018)