

KARIM BELFORD

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EDUCATION

Bachelor of Computer Science (Hons), Minor in Mathematics and Statistics

University of Windsor

Windsor, ON

Sep. 2018 – Aug. 2022

- **Languages:** C, C++, Java, JavaScript, Python, HTML, CSS, PHP
- **Frameworks & Tools:** Windows, Linux, ReactJS, FastAPI, 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

PROJECTS

V-Model Development Research Paper

Aug. 2022 – Present

Word

- Wrote research paper with in-depth analysis of the various phases of the V-model
- Proposed ways that the model can be improved by addressing security issues

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

Warehouse Associate, DHL Diesel

Vaughn, ON

Jan. 2021 – Apr. 2021

- Picked and packed orders to be shipped
- Unloaded and stocked inventory

Team Member, Tim Hortons

Bolton, ON

Aug. 2016 – Aug 2018

- Providing customers with variety of Tim Hortons products, assisting with product delivery to the store and stocking the shelves, fridge, and freezer, and making sure new employees receive the right amount of skill training to perform their job