

BELAL MOHSEN

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[LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Motivated and detail-oriented Software Developer with a passion for solving complex problems through code. Eager to learn and contribute to dynamic development projects while gaining valuable experience in the software development field.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, familiar with Golang, C#, C++
Web Development: Nodejs, Expressjs, CSS, Bootstrap, React-Js, Tailwind CSS, Flask, Django
Databases: SQL(PostgreSQL, MySQL, SQLite), NoSQL(MongoDB)
Machine and Deep Learning Frameworks: Tensorflow, Keras, LSTM, GRU, NLTK, Scipy, SciKit-Learn, Pandas, NumPy, Seaborn, Matplotlib
Cloud services: Microsoft Azure, AWS
RESTful API Development
Version Control: Git/GitHub
Familiar with Agile/Scrum Development
Hardware Kits: Nvidia Jetson Boards, Arduino, Raspberry Pi, FPGA, PIC Micro-controller
Other: Docker, VM, CI/CD Pipeline and more.

PROFESSIONAL EXPERIENCE

FaimData Montreal, QC
Software Developer Intern **May 2022 - Aug 2022**

- Troubleshoot, debugged, and performed upgrades on existing computer vision software, addressing performance issues and enhancing functionality.
- Refactored and optimized applications originally written in JavaScript, rewriting them in Golang to improve efficiency and maintainability.
- Successfully deployed deep learning models on Nvidia Jetson boards, ensuring optimal performance and resource utilization by utilizing Docker containers.
- Developed, improved, and maintained a distributed sensor data collection software solution. This involved coding and optimizing the software using a combination of Python and C to enhance data accuracy, reliability, and efficiency.

Freelancer and independent researcher Remote
Software Developer and Research Assistant **Sep 2020, May 2022**

- Collaborated and worked with professors on different machine learning and deep learning research projects.
- Developed and implemented AI algorithms for research purposes.
- Published research papers in computer science journals and conferences.

Ciena Montreal, QC
Artificial Intelligence (AI) Research Intern **May 2020 - Sep 2020**

- Conducted literature reviews to stay updated on the latest advancements in AI, UAVs, and 6G technology.
- Summarized and analyzed relevant research papers, articles, and publications.
- Contributed to the development and implementation of AI algorithms for UAVs, such as computer vision for navigation, path planning, and decision-making.
- Conducted simulations to test and validate AI models.

- Documented research findings, methodologies, and experimental results.
- Prepared reports and presentations to communicate progress, challenges, and solutions.

Jordan University of Science & Technology
Software Developer & Research Assistant

Irbid, Jordan
Oct 2018 -May 2020

- Designed, developed, and tested AI applications.
- Gathered and processed structured and unstructured data from various sources using diverse data acquisition methods.
- Conducted data pre-processing on extensive datasets to enhance data quality, eliminate errors, and convert unstructured data into a structured format relevant to project requirements.
- Utilized data visualization tools such as Matplotlib and Seaborn to create informative graphical representations of data.
- Developed, trained, validated, and evaluated Machine Learning (ML) and Deep Learning (DL) models using the collected data to address real-world challenges.
- Deployed and integrated trained models into practical applications, including the creation of GUI-based applications using PyQt5.

EDUCATION

Vanier College, Montreal, Quebec 2024
AEC - Software Development Secure Desktop, Mobile and Web Applications
 • Current GPA: 99.4/100

Jordan University of Science & Technology, Irbid, Jordan 2018
M.Sc. - Computer Engineering
 • Received mention of excellence for GPA of 3.99/4.00

Aleppo University, Aleppo, Syria 2013
Bachelor's degree - Computer Engineering

HONORS & AWARDS

- Accelerate International Fellowship, **Mitacs, Quebec**, 2020.
- International Tuition Award of Excellence, **Concordia University, Quebec**, 2020.
- Fully Funded Scholarship For Graduate Students, Jordan, 2015.
- Fully Funded Scholarship For Undergraduate Students, Syria, 2008.

CERTIFICATES & TRAINING

- AZ-900 Microsoft Azure Fundamentals - *September 2022*
- Introduction to Machine Learning in Production - *2021*
- **French** - *Ministry of Immigration, Francization, and Integration, Quebec, July 2021, January 2022.*
- *Audio Classification with TensorFlow, June 2021.*
- *Natural Language Processing in TensorFlow, June 2021.*
- *Sequences, Time Series and Prediction, June, 2021.*
- *Convolutional Neural Networks in TensorFlow, May 2021.*
- Introduction to TensorFlow for Artificial Intelligence, ML, and DL, *April - 2021.*

LANGUAGES

- **English** (Fluent)
- **French** (Basic)
- **Arabic** (Native)