

Yassine Ibork

Wichita, Kansas · (316) 618-3698 · y.ibork1@gmail.com

EDUCATION

Wichita State University, Wichita, KS, USA

August 2024 - Present

- Master of Computer Science

Al Akhawayn University, Ifrane, Morocco

September 2020 - May 2024

- Bachelor of Computer Science and Minor in Business Administration, Summa Cum Laude

Bismillah School, Settat, Morocco

September 2017 - July 2020

- Baccalaureate in Physics and Chemistry, with Honors (Très Bien)

EXPERIENCE

Full-Stack Software Engineer Intern

June 2023 - August 2023

YanVision, Casablanca, Morocco

- Implemented the front-end layout of a magazine web page using Next.js and React.
- Integrated the magazine front-end with the Django backend, ensuring seamless data flow and user interactions.
- Designed the system architecture and database schema for an ecommerce platform.

Leader, Software Development Team

April 2023 - September 2023

VEX International Competition, Dallas

- Led the software autonomous development team to 1st place at the VEX Morocco Robotics Competition.
- Designed and implemented control software that increased the robot's efficiency.

Research Assistant

February 2023 - May 2024

Al Akhawayn University, Ifrane, Morocco

- Developed a landfill detection platform using computer vision and aerial imagery to classify and segment landfill areas, leveraging deep learning.
- Automated the model training workflows using a CI/CD/CT pipeline with Airflow for orchestration, MLflow for tracking experiments, and DVC for data version control.

Academic Tutor

January 2022 - January 2023

Al Akhawayn University, Ifrane, Morocco

- Assisted students in setting academic goals and becoming independent learners.
- Provided tutoring in computer science and mathematics.

PROJECTS

Oral Archiving Platform

January 2024 - Present

- Led a team of 5 developers as Product Manager to design and implement an oral archiving platform.
- Utilized Jira for project management and Slack for team communication.
- Managed timelines, coordinated tasks, and ensured successful project delivery through effective communication.

Smart Cane for Visually Impaired

February 2024 - Present

- Co-developed a smart cane that predicts the color and type of clothing to assist visually impaired individuals in shopping.

- Implemented local inference and followed MLOps practices to manage the machine learning model lifecycle.
- Developed a feedback system utilizing a Moroccan Darija keyword spotter model for enhanced user interaction and accuracy.

Smart Heating System Project

April 2023

- Led the development of an innovative smart heating system during a hackathon organized by DeviTeam.
- Improved energy consumption using IoT technologies, sensor data analysis, and machine learning.
- Collaborated with a multidisciplinary team to enhance system integration and prediction accuracy.

Fixi/Personal Project

September 2022 - Present

- Co-founded an all-in-one marketplace platform connecting householders and service providers.

RESEARCH AND PUBLICATIONS

ISCV Conference

May 2024

- Published a research paper under IEEE at the ISCV conference titled Landfill Detection Using Computer Vision and Aerial Imagery.

AI Summer School Experience

July 2023

- Attended an intensive AI Summer School focusing on artificial intelligence and data science.
- Collaborated with industry professionals and PhD students on hands-on projects.

AWARDS AND HONORS

Wichita State University

August 2024

Global Select Scholarship

VEX Morocco Robotics Competition

April 2023

1st Place, AUI Mechatronics Team

Al Akhawayn University

August 2020

Honours Scholarship

TECHNICAL SKILLS

Programming Languages

Python, C, Java, Prolog, SQL, JavaScript

Web Frameworks

Django, Flask, Node.js, Odoo, React, React Native, Flutter

Databases

PostgreSQL, MySQL

Distributed Systems

Hadoop, Spark, Kafka

MLOps Tools

ZenML, Airflow, DVC, MLflow

Deployment & CI/CD

Docker, Kubernetes, Jenkins, GitLab CI/CD

Design & Modeling

UML, Database Design, System Architecture

Computer Vision

OpenCV, TensorFlow, PyTorch

CERTIFICATIONS

1. AWS Certified Cloud Practitioner, Amazon Web Services, August 2024
2. Supervised Machine Learning: Regression and Classification, Coursera, January 2023
3. Convolutional Neural Networks, Coursera, January 2023
4. Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization, Coursera, December 2022
5. Neural Networks and Deep Learning, Coursera, August 2022