OTHMANE BELHOUSSINE

Computer Science Undergraduate

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📍 34 Lots Riad Dalhia, Av. Ibn Al Khatib, Fez 30050, Morocco

SKILLS

Machine Learning & A.I   Linux   Git   Data Structures

Algorithm Design and Analysis   Competitive Programming

EDUCATION

Exchange Program
Western Washington University
📅 2019 - 2020   📍 Bellingham, WA, USA

GPA **3.82** / 4.0

B.S in Computer Science
Al Akhawayn University - Full merit scholarship
📅 2017 - Ongoing   📍 Ifrane, Morocco

GPA **3.72** / 4.0

EXPERIENCE

Academic Tutor
Al Akhawayn University
📅 2020 - Ongoing   📍 Ifrane, Morocco

- Providing students with academic support during assigned hours in the following courses:

  Data Structures   Object Oriented Programming
  Python Programming   Introduction to C

Academic Researcher
Western Washington University
📅 2019 - 2020   📍 Bellingham, WA, USA

- Published a paper with the university's Bioinformatics research team on identifying destabilizing mutations on SARS-CoV-2 proteome.
- Worked with InterviewR research team: an H.C.I project helping neurodiverse individuals in conducting interviews.
- Worked as a Research Assistant in a Hardware Security topic (improving P.U.Fs) utilizing Machine Learning.

CERTIFICATIONS & ACHIEVEMENTS

- Lifetime Member of the National Society of Collegiate Scholars.
- Top 2 Scientific Paper Submission in ACM-BCB 2020.
- Top 10 teams in the 2018 ACM-MCPC programming contest.
- University President's list - Fall 2017, Spring 2019, Fall 2020
- Admission & Participation in MakeHarvard 2020 hackathon by Harvard university.
    - Built a robot that can play soccer (computer vision).

PROGRAMMING

Python

C/C++

Javascript

Java

PROJECTS
More projects on my GitHub page

NeuralNet
🔗 https://github.com/Belhoussine/NeuralNet
Machine learning library for Neural Networks.

Boid
🔗 https://github.com/Belhoussine/Boid
Neuroevolution simulation combining both Neural Networks and Genetic Algorithms.

Chess Engine
🔗 https://github.com/Belhoussine/Chess
Online app with optimized A.I chess engine.

LayJazik
🔗 http://www.layjazik.com
Platform connecting deprived people with others willing to help during the pandemic.

Breast Cancer Recognition
🔗 https://github.com/Belhoussine/BCR-ML
Classify Mammograms using Machine Learning.

LANGUAGES

French
Native

English
Fluent

Arabic
Native

German
Beginner