

ANWAR GHAMMAM

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+1 248 991 4645 | Bloomfield Hills, MI 48304

EDUCATION

Oakland University | Rochester, MI, USA
Ph.D. in In Computer Science & Information
Expected in 06/2024

Oakland University | Rochester, MI, USA
Master's in In Computer And Information Sciences
12/2022

National Institute of Applied Science And Tech | Tunis, Tunisia, Tunisia
Software Engineering Degree in Software Engineering
06/2021

RESEARCH EXPERIENCE

Oakland University | Rochester, Michigan
Graduate Student Research Assistant
09/2022 - Current

- Apply intelligent search and machine learning in different areas such as Software Containers, web services, refactoring, and software quality.
- Work under the supervision of Dr. Marouane Kessentini (kessentini@oakland.edu)

Instadeep | Boston, USA
NSF Intern
05/2022 - 09/2022

- Worked on a multi-objective PCB grid using Reinforcement learning

UM Dearborn (Intelligent Software Lab) | Dearborn, Michigan
Research Assistant
09/2021 - 05/2022

- Worked on a Dynamic workload balancer for software containers in FORD smart and connected vehicles using Multi-Objective optimization Algorithms (Work accomplished in a collaboration with Ford Motor Company)

University Of Michigan, Dearborn
Graduate Student Instructor
01/2022 - 05/2022

- Teached labs: Undergraduate: CIS 376 Software Engineering.

Artificial Intelligence Research Center (UMD) | Dearborn, MI
Research Assistant
07/2020 - 10/2020

- Worked on an automatic refactoring prediction tool using software quality metrics and code smells

Smart Team, | Tunis, Tunisia
Artificial Intelligence Intern
05/2020 - 06/2023

- worked on a cv analyzer: automatic extraction of information in the resume using Entity Recognition in NLP and selection of the appropriate resumes to a post description (using TF IDF)

ISE Lab, University of Michigan-Dearborn
& INSAT | Tunis, Tunisia
**Student Researcher in Artificial
Intelligence**
03/2020 - 05/2020

- Built and trained machine learning models to predict the effect of code refactoring on code smells and the number of bugs in software projects.

Focus Corporation | Ariana, Tunisie
Part Time Job
03/2019 - 08/2020

- Worked as a SAP Technical Support Engineer.

PUBLICATIONS

- **Dynamic Software Containers Workload Balancing via Many-Objective Search**, IEEE Transactions on Services Computing Journal (TSC-2022) - Status: **Accepted**
- **Many-Objective Software Containers Management in Smart Vehicles**, IEEE Transactions on Software Engineering Journal 2022 - Status: **Submitted**

WORKSHOPS & CONFERENCES

- **ASE 2022** 10-14 Oct 2022, Oakland University, MI : 10-14 Oct 2022
Role: student Volunteer and Committee Member (Web Chair)
- **NSF industry university Center on Pervasive AI event, Portland, Oregon** 26-29 Oct 2022

AWARDS AND DISTINCTIONS

- **NSF industry university Center on Pervasive AI event, Portland, Oregon:** 26-29 Oct 2022
Received the most industry ready research award among a lot of great projects presented by CU Boulder university, Oregon State university and Oakland University.

SKILLS

Technical Skills

- Python
- SQL/NoSQL
- C++/C
- Git
- Java
- UML
- Web Development

Language Skills

- English: Fluent Written & Spoken
- French: Fluent Written & Spoken
- Arabic: Native

CERTIFICATIONS

- TOEFL IBT score 92/120: Reading: 21/30, Listening 22/30, Speaking: 25/30, Writing: 24/30
- **PCAP Certification** | Python Institute
- **Machine Learning Certificate:** Coursera
- **Neural Networks and deep learning Certificate** :Coursera
- **Natural Language Processing with Classification and Vector Spaces:** Coursera
- **Improving Deep Neural Networks:** Hyperparameter tuning, Regularization, and Optimization Certificate: Coursera
- **Convolutional Neural Networks Certificate** : Coursera
- **Improving Deep Neural Networks Certificate:** Hyperparameter tuning, Regularization, and Optimization: Coursera
- **Sequence Models Certificate:** Coursera
- **Improving Deep Neural Networks Certificate:** Hyperparameter tuning, Regularization, and Optimization: Coursera
- **Natural Language Processing in TensorFlow:** Coursera
- **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning:** Coursera
- **Intro to deep learning with PyTorch by Facebook** :Udacity