

ANWAR GHAMMAM

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+1 248 991 4645 | Bloomfield Hills, MI 48304

EDUCATION

Oakland University | Rochester, MI, USA

Ph.D. in Computer Science & Information

09-2021- *In progress*

Oakland University | Rochester, MI, USA

Master's in Computer And Information Sciences

09-2021 - 12/2022

National Institute of Applied Science And Technology (INSAT) | Tunis, Tunisia, Tunisia

Software Engineering Degree

09/2016 - 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