

Yassine Chemingui

School of Electrical Engineering and Computer Science
Washington State University
Pullman, WA

🌐 Personal Webpage
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EDUCATION

Washington State University, Pullman, WA Aug 2022 – current
Doctor of Philosophy in Computer Science
Advisor: Prof. Jana Doppa

Tunisia Polytechnic School, La Marsa, Tunisia Sep 2015 – Jul 2018
Polytechnician Engineer Degree - *Graduated with Excellence*

- Major: Signals & Systems
- Thesis Title: *Reinforcement Learning Approach for Inventory Replenishment*

Preparatory School For Engineering Studies of Tunis (IPEIT), Tunis, Tunisia Sep 2013 – Jul 2015
University first cycle studies

- Major: Mathematics-Physics

PUBLICATIONS

1. Yassine Chemingui, Aryan Deshwal, Honghao Wei, Alan Fern, Janardhan Rao Doppa. **Constraint-Adaptive Policy Switching for Offline Safe Reinforcement Learning**. Association for the Advancement of Artificial Intelligence (AAAI), 2025 (**Oral**).
2. Y. Chemingui, A. Deshwal, TN. Hoang, and J. Doppa. **Offline Model-based Black-Box Optimization via Policy-Guided Gradient Search**. Association for the Advancement of Artificial Intelligence (AAAI), 2024.
3. Y. Chemingui, A. Gastli and M. Houchati. **Deep Learning-based Electric Appliances Identification from their Switching-On Current Waveforms**. 7th World Congress on Electrical Engineering and Computer Systems and Sciences s (EECSS), 2021.
4. Y. Chemingui, A. Gastli and O. Ellabban. **Reinforcement Learning-Based School Energy Management System**. Energies 2020.
5. Y. Hchaichi, Y. Chemingui, and M. Affes. **A Policy Gradient Based Reinforcement Learning Method for Supply Chain Management**. 4th International Conference on Advanced Systems and Emergent Technologies (ICASET), 2020.

ACADEMIC SERVICE

Reviewer

- Association for the Advancement of Artificial Intelligence (**AAAI**) 2024-2025
- Conference on Neural Information Processing Systems (**NeurIPS**) **Top Reviewer** 2024
- International Conference on Learning Representations (**ICLR**) 2025
- International Conference on Machine Learning (**ICML**) 2025
- Artificial Intelligence and Statistics (**AISTATS**) 2025

Tecahing Assistant

- Introduction to Machine Learning Fall 2023

PROFESSIONAL APPOINTMENTS

Research Assistant Aug 2022 – Current
EECS Department - Washington State University, USA,

- Offline Safe Reinforcement Learning.
- Offline Model Based Black-box Optimization.

Machine Learning Fellow Sep 2021 – Dec 2021
Fellowship AI, USA,

- Automation of domain specific chat-bots.
- Integration of RASA with Facebook’s Blenderbot.

Research Assistant Jun 2019 – Jul 2021
Department of Electrical Engineering - Qatar University, Qatar

- Development of reinforcement learning-based energy management system for school buildings.
- Development of deep learning-based load identification module.

Applied Mathematics Engineer Dec 2018 – May 2019
ADAGOS, Tunisia

- Develop machine learning solutions based on company’s neural networks tools.
- Work on internal research projects.

Graduation Project Internship Feb 2018 – Jun 2018
Infor, Tunisia

- Development of reinforcement learning-based inventory replenishment model.

Research and Development Intern Jul 2017 – Aug 2017
Mass Analytics, Tunisia

- Intelligent crawling via text mining techniques with topic modeling of outputs.

TRAININGS¹

Machine Learning Engineer Bootcamp Jul 2021 – Nov 2021
FourthBrain

- 16 weeks of hands-on, end-to-end ML projects.

Advanced Machine Learning on Google Cloud Specialization Nov 2021
Coursera

Natural Language Processing Specialization Sep 2020 – Oct 2020
Coursera

TensorFlow: Data and Deployment Sep 2020 – Oct 2020
Coursera

AI for Medicine Specialization May 2020 – Oct 2020
Coursera

DeepLearning.AI TensorFlow Developer Specialization Jul 2020
Coursera

DeepLearning Specialization May 2018
Coursera

AWARDS AND HONORS

- Alfred Suksdorf Fellowship 2022
- Top 2% in the National Qualification Exam for Engineering Schools Entrance. 2013

LANGUAGES

- Arabic: Native
- French: Bilingual
- English: Professional
- German: Basic

¹Certifications of completion are shared on my LinkedIn profile