

# Yassine Chemingui

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

 LinkedIn  
 yassinechemingui4@gmail.com

## EDUCATION

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

**Tunisia Polytechnic School**, La Marsa, Tunisia 2015 – 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 2013 – 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.

## PROFESSIONAL APPOINTMENTS

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

- Offline model based black-box optimization using RL

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

- Automation of domain specific chatbots
- 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 2019  
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

## TRAININGS<sup>1</sup>

- 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

- Top 2% in the National Qualification Exam for Engineering Schools Entrance 2013

## LANGUAGES

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

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<sup>1</sup>Certifications of completion are shared on my LinkedIn profile