



## Cyrine Chenaoui

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### WORK EXPERIENCE

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February 2021 - June 2022

#### Engineer

##### Pasteur Institute of Tunis, Tunisia

- Bioinformatics, Biomathematics, Biostatistics Laboratory (STAMINA Project)
  - COVID-19 Data visualisation & analysis
  - Conceptual modeling (ODD protocol, UML)
  - Agent-Based Modelling & simulation applied to Epidemiology and Vectors ecology

May -September 2020

#### Research Internship

##### Pasteur Institute of Tunis, Tunisia

- Master's thesis: "Mathematical modelling of the tick's life cycle by DEB models"

October 2018-June 2019

#### Research Internship

##### FAO (GFCM), Jointly with the Oceanographic Institute of Malaga (IEO)

- Master's thesis: *Pilot study on marine recreational fisheries in Andalusia using a mobile application*

July - August 2017

#### Research Internship

##### Interprofessional Group of Fishing Products GIPP, Mednin, Tunisia

- Studied different hypotheses of European clam production decrease causes in Medenin's region

### EDUCATION

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2019 – 2020

#### Master of Research in Information Processing and Complexity of Living Systems

National Engineering School of Tunis, Tunisia

2017– 2019

#### Master of Science in Sustainable Fisheries Management

University of Alicante, Spain

2015-2018

#### Diploma of National Engineer in Halieutic Engineering and Environment

National Agronomic Institute of Tunisia

2013-2015

#### Diploma of Preparatory Classes for Engineers in Biology and Geology

Faculty of Sciences of Tunis, Tunisia

### Professional Development

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<b>Coursework</b>	<ul style="list-style-type: none"> <li>• Introduction to TensorFlow in Python, DataCamp, July 2021.</li> <li>• Introduction to Deep Learning with Keras, DataCamp, July 2021.</li> <li>• Introduction to Deep Learning in Python, DataCamp, July 2021.</li> <li>• Nonlinear Dynamics: Mathematical and Computational Approaches, MOOC on Complexity Explorer, Santa Fe Institute, May 2021</li> <li>• Introduction to Complexity (2020), MOOC on Complexity Explorer, Santa Fe Institute, March 2021 November 2020</li> <li>• <i>Online Course on the use of GIS in the establishment of AZAs</i>, GFCM FAO ,23 November – 2 December 2020</li> <li>• <i>Geospatial and Environmental Analysis</i>, MOOC on Coursera, June 2020</li> <li>• <i>Dynamical Energy Budgets</i>, MOOC on Técnico Lisboa, March 2020</li> <li>• <i>Initiating &amp; Planning Projects, Budgeting &amp; Scheduling Projects, Managing Project Risks &amp; Changes</i>, MOOCs on Coursera, December 2019</li> <li>• <i>Essential Ecosystem Approach to Fisheries Management (E-EAFM)</i>, MOOC on The Nature Conservancy, December 2019</li> <li>• <i>Leadership for Fisheries Management (E-LFM)</i>, MOOC on The Nature Conservancy, November 2019</li> </ul>			
<b>Schools &amp; Workshops</b>	<ul style="list-style-type: none"> <li>• Summer School on Infectious Risks and Vectors, Key Initiative MUSE University of Montpellier, 14-17 September 2021 at the Tour du Valat (Camargue), France</li> <li>• Summer school " <i>Deep Learning in Python/Keras</i> ", BIMS Laboratory, Pasteur Institute of Tunis, 30 June- 07 July 2021</li> <li>• Monitoring sea turtle nesting beaches on Kuriat Islands, CAR/SPA, August 2018</li> </ul>			
<b>Technical skills</b>				
<b>Programming languages</b>	<ul style="list-style-type: none"> <li>• Python, R, GAMA, Latex</li> </ul>			
<b>Software and tools</b>	<ul style="list-style-type: none"> <li>• ArcMap, QGIS , Open Data Kit Collect App, UML, Dataiku, GitHub</li> </ul>			
<b>Languages</b>				
	Arabic	French	English	Spanish
<b>Conferences Attended</b>	<ul style="list-style-type: none"> <li>• 7<sup>th</sup> International Symposium &amp; Thematic School on DEB Theory for Metabolic Organization: Poster Presentation: <i>Conceptual DEB coupled agent-based model for ticks'species</i>, 17-28 May 2021</li> <li>• 14<sup>th</sup> International Symposium on Ticks and Tick-borne Diseases: Poster presentation: <i>Conceptual agent-based model for ticks control strategies</i>, 24-26 March 2021</li> <li>• 12<sup>th</sup> Virtual Conference on Dynamical Systems Applied to Biology and Natural Sciences, February 2-5th, 2021.</li> <li>• ICYMARE 2020, Bremen Society for Natural Sciences (August, 2020): Oral presentation in Session 11 : "Approaches to model the complex biodiversity of marine ecosystems, a multidisciplinary perspective".</li> </ul>			
<b>Honors &amp; Awards</b>	<ul style="list-style-type: none"> <li>• Received International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM) Scholarship: 2018-2019</li> <li>• Received an Erasmus+ Mundus Scholarship: 2017-2018</li> </ul>			
<b>Service to the Academic Community &amp; outreach</b>				

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- **Conference organizing committee**
    - IFN Argo Youth Meeting, Hammamet, Tunisia (May 2016): Co-Organizer
  - **Student life & volunteering**
    - Tunisian Association for Wildlife, Tunisia: Data collection, ID and Inventory of fauna and flora of *Oued Maden* in northwestern Tunisia (COBIOM project), January 2021-Present
    - International Association of Students in Agricultural and Related Sciences, IAAS Tunisia: Co-founder and General Secretary (2016-2020)
    - International Bottom Trawl Survey in the Mediterranean MEDITS 2019, GSA 1-2, April 2019 (10 days)
    - Astronomical Society of Tunisia: Member of the Executive Board (2016-2017) & Scientific trainer (2014/2017)
    - President of Club of Youth Tunisian Fisheries Scientists (2016/2017)