

Mariem Khlifi

Engineering Student

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Date Of Birth: 16th June, 1995

Education

- February 2018–June 2018 **Czech Technical University, Prague**, *Exchange Semester, Networks, Electronics.*
- September 2016– **IMT Atlantique (formerly known as Telecom Bretagne), Brest**, *Master of engineering, Computer Science.*
- January 2018 Master's degree in engineering. GPA as for the autumn semester 2017-2018: 3.35/3.9
- September 2014–July 2016 **Preparatory Institute for scientific and technical studies La Marsa, Tunisia**, *Mathematics, Physics.*
- 2016 Participated and succeeded in two French competitions through written and oral exams: "Mines-Ponts" and "Centrale Supelec". Admission into a French Grande-Ecole via the examinations of "Mines-Ponts"
- September 2010–June 2014 **Elite Pioneer High School of Kairouan, Tunisia**, *Baccalaureate in Mathematics.*
- 18.9/20 Very Good, the first in the town of Kairouan and among the 60 first students on the entire country.
- September 2007–June 2010 **Elite Pioneer Preparatory School of Sousse, Tunisia**, *National competition to enter the elite high schools.*
- 18.87/20 Very Good, the first in the town of Sousse
- September 2001–June 2007 **Primary School of Aglabides Kairouan, Tunisia**, *National competition to enter the elite preparatory schools.*
- 18.7/20 Very Good

Skills & Abilities

- Programming Languages PYTHON, JAVA, MATLAB, SQL, HTML, PHP, RUBY
- Languages ARABIC, ENGLISH, GERMAN, FRENCH, SPANISH

Projects

- September 2017 – December 2017 **Innovation project**, IMT ATLANTIQUE, Brest, France.
- During this project, we created a business innovative idea of a start-up: a platform that suggests unknown destinations based on a few entries and preferences of the user. We prototyped our product, created our visual identity and delivered a pitch to persuade investors in investing in our project. We also backed our argumentation with a business plan.
- February 2017 – June 2017 **Betting Software**, IMT ATLANTIQUE, Brest, France.
- This project was conducted in a group of ten students and it was composed of two parts: Conception of the software via UML modeling. Implementation of the software and the adequate testing programs using Java.
- January 2017 – April 2017 **Societal Project: ECO-le**, IMT ATLANTIQUE, Brest, France.
- We have organized in a group of six students some activities and games for pupils in a primary school about sustainable development.
- January 2017 **Decoding brain activity evoked during a functional MRI experiment**, IMT ATLANTIQUE, Brest, France.
- This 1-week work was based on the HAXBY study to confirm if inverse inference is valid or not, i.e, if from the cerebral images done with MRI we can identify the object seen by the person.

- November 2016 – **Remote Controlled Car via an Android Application**, IMT ATLANTIQUE, Brest, France.
We have constructed an automobile that reads RFID tags and which is controlled via an android application that was developed in a group of three students.
- January 2017 – **Study of the Dynamics of the Bumper Cars and Thermodynamic Analogy**, IPEST, La Marsa, Tunisia.
2016 – The purpose of this study was to set a probabilistic model that matches the behavior of bumper cars from which we tried to find the conditions of the game in which there are similarities with perfect gases, i.e no collisions between the bumper cars.

Work Experience

- September 2017 – **Monitor in Computer Science**, IMT ATLANTIQUE, Brest, France.
January 2018 – I was recruited by my engineering school to ensure tutoring for students in computer science. My role consisted of answering their questions, explaining to them what they did not understand in courses and helping them encounter technical problems when using the school's equipments.
- July 2017 – **Intern**, TELECOMMUNICATIONS OPERATOR: TUNISIE TELECOM, Kairouan, Tunisia.
August 2017 – I was initiated to the tools used to pilot the infrastructure corresponding to the 2G, 3G and 4G networks. There were also on-place interventions to repair damaged equipment. Finally, I designed a web application with PHP and HTML that would help the engineers save and access easily the data related to the structure.

Research Experience

- March 2017 – **Researcher**, IMT ATLANTIQUE, Brest, France.
May 2017 – Constructed algorithms based on deep neural networks with Matlab to predict trajectories. Work supported by my supervisor Mai Nguyen. Work mainly inspired by the works of Geoffrey Hinton on Handwritten digits.

Coursework

- Software engineering
- Logic and formal languages
- Distributed Systems
- Graph Theory
- DevOps
- Signal Treatment
- Mathematics
- Database
- Algorithmics
- Concurrent programming
- Game theory
- Marketing
- Network structures

Extra curricular activities

- November 2017 – **Active Member**, SUSTAINABLE DEVELOPMENT CLUB, Brest, France.
January 2018 – I participated in campaigns to raise awareness about sustainable development in our campus. I have also helped pupils in the youth center solve their homeworks and understand their lessons.
- November 2017 – **Member of the Event Team**, TEDxIMTATLANTIQUE, Brest, France.
December 2017 – TEDxIMTAtlantique tackles the blurred subject of "Tomorrow". A photo-journalist, a researcher, a professor and a young entrepreneur shared their views on this subject from their experience in life and in its continuity. My role in the Event Team was mainly about organizing, drawing and cutting the letters of the "TED" in 3D and also to welcome the visitors.
- March 2017 – **President of the Arabia Club**, IMT ATLANTIQUE, Brest, France.
January 2018 – Club Arabia is an important school club that contributes to the good atmosphere reigning over our multi-national campus. Activities, parties, etc. are organized to introduce the Arabic culture to the students.
- September 2016 – **Auditor**, GER TELECOM, Brest, France.
January 2018 – I was a member of the junior Enterprise of our school and an active auditor. My role consisted of checking the legal documents and ensuring that they respect the regulations that run a junior. I also advise the junior through its strategic procedure. Finally, I ensure formations for the upcoming junior-entrepreneurs.

Awards

- July 2016-Scholarship of Excellence: After succeeding in the examination of entrance to French engineering schools, I was awarded the Tunisian scholarship of excellence to pursue my studies in France.
- July 2014-Regional Award of Kairouan: I had the the first position in my region for my baccalaureate degree.
- July 2010-Regional Award of Sousse: I had the first position in the region of Sousse in a national competition.

Interests

- Art & Literature
- kayak