

Curriculum Vitae

PERSONAL INFORMATION

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EDUCATION

- Jan.2022-(Now)** **Doctor of philosophy:** 2nd year of PhD in Information systems Engineering
REGIM laboratory (Research Groups on Intelligent Machines)
(National Engineering School of Sfax - University of Sfax- Tunisia-)
Topic: Blockchain Based Federated learning over Wireless Sensors Network: Smart Grid
- 2014-2016** **Research master** in Optimization Engineering and Decision Aids (OEDA)
MODILS laboratory
(Faculty of Economics and Management of Sfax-Tunisia-)
- May 2009** **Research Master** in New Technologies and Dedicated Information Systems: embedded systems (National School of Engineers of Sfax) .
- 2007-2008** **Professional Master** in Information Technology and Electronic Commerce. Specialty: WEB
(National School of Engineers of Sfax)
- 2005-2007** **Postgraduate certificate** in Computer Science Applied to Management
(Faculty of Economics and Management of Sfax)
- June 2003 Baccalaureate Bachelor's degree in mathematics

INTERSHIPS

- Aug-Sep 2022** Internship at the Computer Science, Robotics and Microelectronics Laboratory of Montpellier – LIRMM- (University of Montpellier -France-)
Mission: understanding of the federated learning and blockchain technologies in the field of Smart grid
Co-Supervisor: Prof. Guillaume Puech
- Jun. - Oct. 2015** Internship [2nd year of **Research Master (OEDA)**] in LASPI Laboratory
(University of Jean Monnet Saint Etienne -Lyon-)
Mission: *Planning of home care pathways for the elderly (modeling, VRPTW, optimization, VNS, improved VNS, C ++, meta heuristics ...)*
- Sep. 2010** Internship [2nd year of **Research Master (OEDA)**] in REGIM Laboratory
(National School of Engineers of Sfax -Tunisia-)
Mission : *Biométrie : reconnaissance de visage (data mining, matlab, C++,SVM)*
- Jun. 2009** Training [**M2 Professional Master**] with doctors and medical staff (assistant, caregiver...)
Mission : *Developing a new software of doctors office's and patients' management entitled «Medicalsoftware » (PHP, Javascript, CSS , HTML, oracle)*
- Jul. 2008** **Summer training** in the **services company** “LA COLOMBE” Sfax Tunisia
Mission: *developing a new software to create automatic schedule for the cleaning and security staff*
- Jul. 2007** Training in **SAMET company** (Modern Furnishings and Tourist Equipment Company) sfax –
Mission : *Developing an accounting software*
- Aug.2006** Training in **CERF training center** (Conseil, Etudes, Recherche et Formation)
- Jun.-Jul. 2006** Training [3rd year of **postgraduate degree**] in the internship service of the ISAS university
Mission : *Developing a software for Teachers' table times according to their (Access, VB...)*
- Jun-Aug. 2005** Volunteering Training in the **abandoned children Errafik center** as a *babies caregiver*

WORK EXPERIENCE

- Oct. 2020-Dec-2022** Online ICT coach (freelance) with the international Training agencies Eduforma -Lyon-France-
Course: Office365/ Microsoft365, Microsoft office software, Online Web2.0 tools(Prezi, Powtoon...)
- Jan 2020- June 2022** ICT teacher in the **International School of Business-Tunisia-** [English Language]
Course :C2I for LBA1 students and ICT LBA3 students (Microsoft365)
- Oct 2007 - now** ICT Secondary teacher in **middle schools** [French and English Language]
- Sep.- Jun. 2014** ICT teacher in ESCS –Tunisia- (**High business school of Sfax**)
Course 1: ICT and Information systems (UML=Unified Modeling Language)
Course2
- Oct-Jan 2011** ICT Teacher In ISET –Tunisia-
Course: CISCO for 3^{id} level students
- Jan-Jun 2008** ICT teacher in The National School of Engineers of Sfax -Tunisia) **Course:** C2I
- Oct. 2007** Obtaining the CAPES certificate (Certificate of Aptitude for the Teaching of Secondary Education)

LANGUAGES

Arab	Mother Tongue
French	fluent
English	fluent
Germany	beginner

TRAININGS /CERTIFICATIONS /WORKSHOPS

ICT skills and certification

Computer Certification	Science	✦ Microsoft Office Specialist (MOS) Certification 2013/2019 ✦ « Intel Teach cours d’initiation pour Master Teach » -Certificat de compétence en qualité Informatique C2I ✦ Certification Quality Environment Health & Safety (QEHS) [ISO 9001:2008 /ISO 14001:2004 / OHSAS 18001:2007] ✦ Microsoft Technology Associate (MTA) Certification
3D/2D developing game platform	game platform	✦ Gaming design kodu, Scratch, unity
Animation software	✦	e-anim, Macromedia flash
Other ICT skills		✦ Robotic: Arduino/ micro:bit ✦ 3D software: 3D push/sketch UP ✦ Mobile coding: appinventor, Android, thinkable ✦ Programmation: Java, C, C++, J2EE ✦ Réseau : maintenance informatique, configuration et administration de réseau ✦ Cloud computing

ICT & pedagogical trainings

- Dec. 2020** Training in the **Python language** in Economics and Management university
- Nov. 2014** Training in the “**Innovation in teaching: 21st century skills**” in CREFOC (Regional Center for Education and Continuous training)
- Mar. 2014** Pedagogical training in the **Project Based Learning** teaching approach in CREFOC
- Feb. 2013** Training with the **ANSI agency** (Agence Nationale de la Sécurité Informatique)
- Apr. 2010** **Pedagogical training** form Master degree students: How to write an article?
- Mars 2009** Educational training "**conduct and overall assessment of an IT project for college students**"
- 2007-2008** Educational training for secondary school teachers (**first year of teaching**)

Coaching and Soft skills' Trainings

- 7-17 Mar. 2017** **Training of trainers** in Tunisia for personal development led by the international coach "Dr. Ahmed Koddous" [Elected best "Trainer" of the TOT]
- Jun. 2013** Personal development training with Dr. Ahmed KOUDOUS **Theme:** The power of reflection and change
- Jun. 2013** Training "Psychology at the service of pedagogy and education"
- Mar. 2013** Educational training "communication techniques in the classroom"

Language trainings

- March 2023** Certification of English APTIS
- Sep-Jun. 2017** Training [Level 1] in **Deutsh language** in the BOURGUIBA Institute of Modern Languages
- Apr. 2010** Training as part of continuous teachers' training in **English Language** ["English for Academic purposes"]
- Feb. 2009** Obtaining the TOEFL (Test of English as a Forgien Langage) [score: 423/500]
- Oct. 2007** Obtaining the English certificate from the Wanderlust International Language Center
- Jun 2007** Obtaining the certificate of the **advanced level of English** the BOURGUIBA Institute of Modern Languages
- 2005-2006** Obtaining an English diploma from the BOURGUIBA Institute of Modern Languages

CONFERENCES AND RESEARCH WORKSOPS

- Mar. 2020** Participation in the international conference TORS in Sousse -Tunisia –
Entitled paper: The MANISSHA method: Toward a new vision
- 16-21 Jun. 2019** Participation in the international conference MCDM (Multiple Criteria Decision Making) in Istanbul
Entitled paper: Presentation of the MANISSHA method (The Method of Multi-Attribute NonInferiority and Superiority Scores Heavy Averages)
- Mar. 2019** Participation in the MOD Doctorate day of the MODILS laboratory
Entitled paper: Presentation of the basic concepts of the MANISSHA method (Aggregation, scores, normalization, Einstein Sum operation)
- 2-4 Sep. 2015** **GDR-RO summer School for Young Researchers, Metz France 2015**
Theme: Guaranteed Performance Algorithms / Scheduling and Applications / Polyhedra and Combinatorial Optimization
- 14 -21 Feb. 2015** Seminar with MCF. Malek MASMOUDI from Jean Monnet University, Saint-Étienne
Theme: SED modeling / Arena simulation / Hospital engineering
- 12 Feb. 2015** Seminar with the ALECSO (*Arab League Educational, Cultural and Scientific Organization*)
Theme: ALECSO Apps Award (<http://www.alecsoapps.com/award/>)