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| **PERSONAL INFORMATION** | Maissa Boujelben |
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|   | Ahbeb Residence, A2-2 Apartment, Ghazala City, Ariana, Tunisia |
|  216 23150043 |
| Maissa.boujelben@gmail.com |
| Sex Female | Date of birth 21/02/1989 | Nationality Tunisian  |

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| **STUDIES APPLIED FOR** | Ph.D. in Information and Communications Technology (ICT) |

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| **WORK EXPERIENCE** |   |

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| September 2014 – Today | Assistant Technologue at ESPRIT School of Engineering* IP Networks and Routing
* Next Generation Networks (NGN)
* Project of Integration Systems & Networks
* Communication networks
* Entreprise Local Networks
* Director of End of Studies Projects
* Member of Jury in End of Studies Project defenses
 |
| September 2013 – June 2014 | Teacher at the Higher School of Communications of Tunis (Sup’Com)Packet networks:* Introduction to networks (basic configuration of equipments (terminal, switch, router)
* Local networks: LAN, VLAN, VTP protocol, STP protocol, inter VLAN routing
* Routing protocols: RIPv1, RIPv2, EIGRP, OSPF
* WAN access: PPP, Frame Relay, ACL, DHCP et NAT
 |
| July 2012 – August 2013 | Circuit Switching Planning and Optimization Engineer at Ooredoo Tunisia |
| Ooredoo, Technical Direction, Charguia I, Tunisia |
| * Release 4 CS core network architecture and design study
* Release 4 CS core network dimensioning based on traffic model and resiliency scenarios
* National and International routing optimization: routing plans generation and modification
* Traffic model generation for MSS and MGW (BHCA, simultaneous calls, subscribers number, traffic in Erlg)
* Performance evaluation :KPIs following for national and international traffic ( CSSR, CDR, HOSR)
 |
| Business or sector Mobile operator  |
| January 2012 – June 2012 | End Of Studies Project at Ooredoo Tunisia |
| Ooredoo, Technical Direction, Charguia I, Tunisia* Routing Optimization: CS Core Network Control Plane / User Plane routing modeling based on specific call cases, application to generate routing plans and detect routing problems.
 |
| June 2011–July 2011 | Alternate training at Orange TunisiaOrange Tunisia, Radio Optimisation direction, Berges du Lac I, Tunisia* Development of a tool for automating the verification of inconsistencies in the planned radio parameters.
 |
| December 2010–April 2011 | Second year project at Sup’Com |
| Sup’Com, Tunisia* Development of a design tool for a UMTS / HSDPA network
 |
| July 2010 | Summer trainee at Tunisie Telecoms |
| Tunisie Telecoms* GSM switching, Sfax, Tunisia
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| **EDUCATION AND INTERNSHIPS** |   |

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| March 2013 – today | Ph.D. student in ICT « Self-Organization in LTE-A HetNets Networks » Higher School of Communications of Tunis (Sup’Com) – Tunisia* Thesis Director: Pr. Sami TABBANE
* Doctoral researches on Self-Organized Networks (SON), optimization methods (fuzzy logic, Game theory, Reinforcement learning, 4G and beyond networks
* Handover self-optimization based on Load balancing, energy saving and interference coordination.
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| September 2009 - June 2012 | Telecommunication Engineering National Diploma |  |
| Higher School of Communications of Tunis (Sup’Com) – Tunisia |
| * Network Administration: routers Configuration, cabling and network installation, etc.
* Mobile network technologies: GSM, EDGE, GPRS, UMTS, HSPA, NGN, IMS, LTE, LTE-Advanced
* Network protocols: TCP/ IP, SS7, SIP, SIGTRAN, CAMEL, etc.
 |
| September 2007 - June 2009 | Certificate of Undergraduate Studies Phase I |  |
| Sfax Preparatory Institute for Engineering Studies (IPEIS) - Tunisia |
| * MP division (Mathematics & Physics), Rank : 62/1600
* Mathematics, Physics, Engineering sciences and techniques
 |
| September 2003 - June 2007 | Baccalaureate Diploma |  |
| Pilot School of Sfax - Tunisia |
| * Mathematics division, Honorable mention
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| **PERSONAL SKILLS** |   |

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| Mother tongue(s) | Arabic |
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| Other language(s) | UNDERSTANDING  | SPEAKING  | WRITING  |
| Listening  | Reading  | Spoken interaction  | Spoken production  |  |
| French | C1/2 | C1/2 | C1/2 | C1/2 | C1/2 |
| English | C1/2 | C1/2 | C1/2 | C1/2 | C1/2 |
|  | TOEIC Certification (T), Score : 895/990 |
|  | Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient userCommon European Framework of Reference for Languages |

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| Communication skills | * Excellent communication skills acquired thanks to my experience as telecommunication engineer at the leader operator in Tunisia, to my different trainings and my participation in international competitions ( 2nd award of “World Imagine Cup” ,Tunisia, 2011 / Finalist project at “Tunis MED-ups”, July 2011, INRIA-Sophia Antipolis, France)
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| Organisational / managerial skills | * Excellent leadership skills (Leadership and constructive professional communication training within NCONSULTING ).
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| Computer skills | * Programs: Java, C, Visual DSP++, Matlab , SQL, VBA, Network Simulator (NS2/3)
* Systems: Windows, Linux
* Data Base: MySQL
* Design: UML
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| Other skills | * Sport (Aerobic club coach at Sup’Com)
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| **ADDITIONAL INFORMATION** |   |

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| Projects | * TP CISCO: Routers, cabling and network installation.
* Development of a mobile Tele-health Android application to monitor oxygen levels in blood.
* Developing a Client-Server application in Java.
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| Memberships | * Member of the organizing committee of ESPRIT Hack Days event, February 2015
* Member of the organizing committee of the Sup’Com FORUM 2010/2011 (Integration day Students Enterprise Edition)
 |
| Trainings | * “Leadership and constructive professional Communication”, NCONSULTING, June 2012, Tunisia
* “Circuit Switched Routing “, Nokia Siemens Networks (NSN), 25 - 30 June 2012 , Tunisia
* “IP core network Routing “, Nokia Siemens Networks (NSN), 17- 22 June 2013, Tunisia
* « LTE niveau 1 », TEKONSULT, 05- 15 March 2014, Tunisia
* « Research, Methods and Writing » by Dr Corinna MULLIN (Research Associate in the Department of Politics and International Studies at the School of Oriental and African Studies (SOAS)), 14- 22 April 2014 at Sup’Com, Tunisia
* « The new pedagogies adapted to C generation » by Mr. Martin Richard, ICT Educational adviser (Cégep régional de Lanaudière à Joliette, Montréal, Canada), 5 & 8May 2014 at Sup’Com, Tunisia
* « IMS Fundamentals », TEKONSULT, June 2014 at Sup’Com, Tunisia
* “ Installing and configuring Cisco BE6000 equipments”, 18- 20 August 2015, Cisco Office, Tunisia
 |
| Certifications | * Cisco CCNA 1, 2, 3 et 4
* TCLS-1 (LTE niveau 1), TEKONSULT
* TCIS-1 (IMS Fundamentals), TEKONSULT
* TOEIC (T)
* Certification Voltaire
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| Honours and awards | * Laureate project of " Project Begin Challenge Sup'Com-ESSECT 2011", Tunisia
* Challenge Finalist In Tunis MED-ups July 13, 2011 at INRIA-Sophia Antipolis, France.
* Best Paper Award at SoftCOM 2015 international conference
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| Publications | * Interference Coordination Schemes for Wireless Mobile Advanced Systems: A Survey, IOSR-JECE Journal, Volume 9, Issue 1, Ver. VI (Feb. 2014), PP 80-90
* “A Novel Handover Self-Optimization Algorithm for 4G and Beyond Networks”, The 12th International Conference on Wired & Wireless Internet Communications, WWIC 2014, May 26-28, Paris, France.
* “A Comparative Study of Interference Coordination Schemes for Wireless Mobile Advanced systems”, The 2014 International Symposium on Networks, Computers and Communications, ISNCC 2014, June 17-19, Hammamet, Tunisia.
* “A Novel Self-Organizing Scheme for 4G Advanced Networks and beyond”, The 2014 International Symposium on Networks, Computers and Communications, ISNCC 2014, June 17-19, Hammamet, Tunisia.
* “A Novel Green Handover Self-Optimization Algorithm for LTE-A / 5G HetNets”, The 11th International Wireless Communications & Mobile Computing Conference, IWCMC 2015, August 24-28, Dubrovnik, Croatia.
* “A Novel Mobility-based COMP Handover Algorithm for LTE-A / 5G HetNets”, The 23rd International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2015, September 16-18, Split-Bol, Croatia.
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