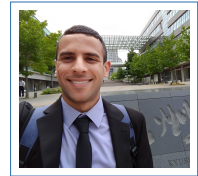


Jihed Makhlouf

Software Engineer, Postdoctoral
Researcher

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Education

- 2018 – 2021 **Ph.D.**, *Kyushu University, Japan*
Research topic: Educational Data Mining, Learning Analytics, Machine Learning, Natural Language Processing
- 2015 – 2017 **Master's degree**, *University of Tunis El Manar, Tunisia*
Research topic: Multi-objective Optimization, Meta-heuristics, Evolutionary Algorithms – Pretty Good Honors
- 2012 – 2015 **Engineer's Degree**, *University of Tunis El Manar, Tunisia*
Major: Software Engineering of Information Systems – Good Honors
- 2009 – 2012 **Bachelor's degree**, *University of Tunis El Manar, Tunisia*
Major: Software and Information Systems – Good Honors

Work Experiences

Professional Experiences

- 2015 – 2021 **Self-Employed Software Engineer**
Full-stack Software Engineer at Topfrogs
- **Mission:** Developing different versions of the web application of a company that offers different real estate services for French expatriates. I helped them digitize some of their business processes, and provided continuous support through various IT topics.
 - **Location:** Remote.
 - **Reference:** Topfrogs <https://www.topfrogs.org/> ↗ (French).
- Full-stack Software Engineer at Technology Experts
- **Mission:** Building in-house tools to help the management and monitoring of several projects related to planning, digging, and building large scale wells.
 - **Location:** Remote.
 - **Reference:** Technology Experts <https://t-experts.com> ↗.
- Consultant at the Tunisian Coastal Protection and Development Agency
- **Mission:** I was in charge of deploying a real-time monitoring system composed of a network of meteorological sensors. This project was under the supervision of the United Nations Development Programme.
 - **Location:** Tunis, Tunisia.
 - **Reference:** Tunisian Coastal Protection and Development Agency & UNDP. <http://www.apal.nat.tn/> ↗ (French). <http://www.undp.org/> ↗
- Front-End Software Engineer at MADAR Consulting
- **Mission:** Short term job where I integrated a team and help them finish one of their products. I was in charge of developing the interactive map section of a fleet-management service.
 - **Location:** Tunis, Tunisia.
 - **Reference:** MADAR Consulting. <http://www.madarconsulting.com/> ↗

Academic Experiences

2021 – Now **Postdoctoral Researcher at Kyushu University**

Building an educational Chatbot and an integrated platform for Educational Data Mining and Learning Analytics

2021 – Now **Postdoctoral Researcher at Osaka Prefecture University**

Building a browser (Chrome) extension to collect, then, analyze students' web search behavior data when solving programming exercises

More details about my projects and publications can be found here [↗](#).

Technical Skills

DS & ML	Pandas, Numpy, Scikit-learn, Scipy, Matplotlib
DL	Keras, Tensorflow
NLP	Gensim, SpaCy, HuggingFace, MeCab
Ops	Docker, DVC
Dev & Script	Java, Python
Web	HTML5, CSS3, Bootstrap, JavaScript, Typescript, NodeJS, Yarn, AngularJS, PHP, Symfony, SlimPHP, Drupal, Django
Databases	MySQL, MongoDB, Neo4J

Achievements and Activities

Competitions and Challenges

- 02/2018 Second place in ASSISTments data mining competition, hosted by the Big Data for Education spoke of the Northeast Big Data Innovation Hub.
- 12/2014 Second place in IBM's Hackathon «Smarter Tunisia».
- 03/2014 Second place in the ICPC-like challenge «Top Coders Tunisia», Sponsored by IBM.

Certifications

- 06/2011 Microsoft Technology Associate (MTA) – "Software Development Fundamentals" – Exam Number: 98-361.
- Microsoft Technology Associate (MTA) – "Database Administration Fundamentals" – Exam Number: 98-364.

Entrepreneurship Contests

- 12/2018 Second place in the OnCampus Hult Prize Contest, qualified to the regional round in Manila, Philippines
- 05/2016 Third place in the "Samsung Fast Track" entrepreneurial training.

Volunteering Activities

- 2019 – 2020 Vice President at Kyushu University Foreign Student Association (KUFSA).
- 2018 – 2019 Project Officer at Kyushu University Foreign Student Association (KUFSA).
- 2011 – 2014 Active member at the "Freeways" students' circle, promoting open-source initiatives.

Languages

- Arabic Mother Tongue
- English Fluent – 97/120 TOEFL iBT
- French Fluent – C1 Level in the TCF test