Hassan Ismail Fawaz, MSc

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⌂ https://hfawaz.github.io   in www.linkedin.com/in/h-fawaz
🌐 https://scholar.google.com/citations?user=oUrGNaoAAAAJ

Employment History

2017 – 2020	🔖	**PhD candidate.** IRIMAS, Université Haute Alsace, France.
2018 – 2019	🔖	**Lecturer.** ENSISA, Université Haute Alsace, France.
2017 – 2017	🔖	**Internship.** Data Services & Valorisation for Business, Orange Labs, France.
2016 – 2017	🔖	**Internship.** TICKET Lab, Université Antonine, Lebanon.
2016 – 2016	🔖	**Freelance.** Website development - www.mradmcc.com.
2015 – 2015	🔖	**Internship.** Web application development, Dar El Handasah, Lebanon.

Education

2017 – 2020	🔖	**Ph.D. Machine Learning, Université Haute Alsace, France** *Temporal data analysis with surgical data science application.*
2016 – 2017	🔖	**M.Sc. Computer Science, Université de Bourgogne, France** *Second Class Hounours.* Databases & Artificial Intelligence.
2011 – 2017	🔖	**M.Sc. Software Engineering, Université Antonine, Lebanon** *Fourth Class Honours.* Software & Telecommunications Engineering.

Research Publications

Journal Articles (accepted)

1. **Ismail Fawaz, H.,** Forestier, G., Weber, J., Idoumghar, L., & Muller, P.-A. (2019a). Deep learning for time series classification: a review. *Data Mining and Knowledge Discovery*. Code is available on https://github.com/hfawaz/dl-4-tsc/.

2. Forestier, G., Petitjean, F., Senin, P., Despinoy, F., Huaulmé, A., **Ismail Fawaz, H.,** … Jannin, P. (2018). Surgical motion analysis using discriminative interpretable patterns. *Artificial Intelligence in Medicine, 91*, 3–11.

Conference Proceedings

1. **Ismail Fawaz, H.,** Forestier, G., Weber, J., Idoumghar, L., & Muller, P.-A. (2019b). Deep Neural Network Ensembles for Time Series Classification. In *IEEE International Joint Conference on Neural Networks*.

2. **Ismail Fawaz, H.,** Forestier, G., Weber, J., Idoumghar, L., & Muller, P.-A. (2019c). Adversarial Attacks on Deep Neural Networks for Time Series Classification. In *IEEE International Joint Conference on Neural Networks*.

3. **Ismail Fawaz, H.,** Forestier, G., Weber, J., Idoumghar, L., & Muller, P.-A. (2018a). Evaluating surgical skills from kinematic data using convolutional neural networks. In *Medical Image Computing and Computer Assisted Intervention*. (Oral selection rate **4%**). Code is available on https://github.com/hfawaz/miccai18.

4. **Ismail Fawaz, H.,** Forestier, G., Weber, J., Idoumghar, L., & Muller, P.-A. (2018c). Transfer learning for time series classification. In *IEEE International Conference On Big Data*. Selection rate **18.9%**. Code is available on https://github.com/hfawaz/bigdata18.

Workshops

1   **Ismail Fawaz, H.**, Forestier, G., Weber, J., Idoumghar, L., & Muller, P.-A. (2018b). Data augmentation using synthetic data for time series classification with deep residual networks. Code is available on `https://github.com/hfawaz/aaltd18`.

Skills

Languages	🔖 English (Toeic-955), French (B2), German (B1) & Arabic.
Development	🔖 Python, Java & Slurm Workload Manager.
Databases	🔖 MySQL, Neo4J, Protégé & Elasticsearch.
Web Dev	🔖 HTML, CSS, JavaScript, Apache Web Server & Tomcat Web Server.
Misc.	🔖 Academic research, teaching, LaTeX typesetting & publishing.

Miscellaneous Experience

Grants

2018	🔖 **Mésocentre of Strasbourg**. 1.6 million GPU computing hours.
2017	🔖 **NVIDIA Corporation GPU Grant**. Quadro P6000.
	🔖 **Coursera Financial Aid**. Deep learning speciality.

Visiting researcher

2018	🔖 **Wayne State University.** Dr. Abhilash Pandya.

Certifications

2018	🔖 **Volunteering**. IEEE International conference on Big Data.
	🔖 **Participation**. International Summer School on Deep Learning.
2017	🔖 **Participation**. Cisco CCNA 1, 2, 3 & 4.
2016	🔖 **Participation**. Lebanese Collegiate Programming Contest.
	🔖 **Participation**. Advanced Programming & Algorithms Boot Camp.
2015	🔖 **Participation**. Lebanese Collegiate Programming Contest.

Awards

2018	🔖 **IEEE International Conference on Big Data**. Student Travel Award.
2016	🔖 **First place**. Université Antonine Programming Competition.
2015	🔖 **Second place**. Université Antonine Programming Competition.

Talks & presentations

2019	🔖 **TsDays**. Apprentissage par transfert pour la classification de séries temporelles.
2018	🔖 **French society of computer science**. What to do with your PhD ?
	🔖 **GDR-MADICS**. Interpretable evaluation of surgical skills.

Teaching

2018	🔖 **Deep Learning**. M.Sc. students in Computer Science - 20 hours.

References

Available upon request.