JINGWEI ZUO open to **Data Scientist, Machine Learning Engineer** roles

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EDUCATION

Ph.D. in Machine Learning   Oct. 2018 - May 2022
Université Paris-Saclay, advisors: Prof. Karine Zeitouni, Dr. Yehia Taher   *Versailles, France*

Master in Data Science, graduated with highest honors   Sept. 2017 - Sept. 2018
Université Paris-Saclay   *Versailles, France*

Engineer in Computer Science   Sept. 2014 - Aug. 2017
Polytech Sorbonne - Sorbonne Université   *Paris, France*

Bachelor of Science in Optical and Electronic Information   Sept. 2011 - Aug. 2014
Huazhong University of Science and Technology (HUST)   *Wuhan, China*

PROFESSIONAL EXPERIENCES

Teaching Assistant - Université Paris-Saclay   Sept. 2019 - Sept. 2021
Giving undergraduate/graduate-level courses on Data Mining, Database, Software Engineering, etc.   *Versailles, France*

Research Intern, DAVID Lab - University of Versailles   Apr. 2018 - Sept. 2018
Topic: "Big Time Series Classification ⌽"; Machine Learning; Python, Spark, Docker, AWS   *Versailles, France*
  ○ **Publication**: **J. Zuo**, K. Zeitouni and Y. Taher. Exploring Interpretable Features for Large Time Series with SE4TeC, demo, International Conference on Extending Database Technology (EDBT 2019), *CORE ranking*: A

Part-time R&D Intern, PETRUS Team - Inria Saclay   Dec. 2017 - Mar. 2018
Topic: "Mobile Personal Medical Folder on PlugDB"; Java, SQL, Secure personal database   *Versailles, France*

Software Engineer Intern - Orange Labs   Mar. 2017 - Aug. 2017
Topic: "Authentication Technologies on IoT devices"; Data Security, C, C#   *Lannion, France*

PROJECTS

- **Supervised Learning on Time Series Stream ⌽**: *Dynamic Representation Learning, Interpretability; Python, Spark, Flask*
    - ○ **Publication**: **J. Zuo** et al., Incremental and Adaptive Feature Exploration over Time Series Stream. IEEE International Conference on Big Data (IEEE BigData 2019), acceptance rate: 19%
    - ○ **Publication**: **J. Zuo** et al., ISETS: Incremental Shapelet Extraction from Time Series Stream, ECML-PKDD'19, CORE ranking: A
- **Streamer ⌽**: *Open-Source Framework for Continuous Learning in Data Streams; Java, Kafka, InfluxDB, Redis, Kibana*
- **Semi-supervised Learning on Time Series ⌽**: *Representation Learning, Neural Networks; Tensorflow, Keras*
    - ○ **Publication**: **J. Zuo** et al., SMATE: Semi-supervised Spatio-Temporal Representation Learning on Multivariate Time Series, IEEE International Conference on Data Mining (ICDM 2021), *CORE ranking*: A*
- **Traffic Forecasting**: *Time Series Forecasting, Graph Neural Networks; PyTorch*
    - ○ **Publication**: **J. Zuo** et al., Graph Convolutional Networks for Traffic Forecasting with Missing Values. under review by DMKD.
- **PolluScope 🔗**: *Multi-view Learning, Pollution Activity Recognition, Classification; Spark, Scala, PySpark, scikit-learn*
    - ○ **Publication**: H. El Hafyani, M. Abboud, **J. Zuo** et al., Learning the Micro-environment from Rich Trajectories in the context of Mobile Crowd Sensing - Application to Air Quality Monitoring, accepted by Geoinformatica, Springer
    - ○ **Publication**: H. El Hafyani, M. Abboud, **J. Zuo** et al., Tell Me What Air You Breathe, I Tell You Where You Are, demo, International Symposium on Spatial and Temporal Databases (SSTD 2021)
    - ○ **Publication**: M. Abboud, H. El Hafyani, **J. Zuo** et al., Micro-environment Recognition in the context of Environmental Crowdsensing, 4th workshop on Big Mobility Data Analytics (BMDA@EDBT 2021)

SKILLS

- **Programming Languages**: Python, Java, Scala, C, C++, C#, R, JavaScript, SQL, Matlab
- **Big Data & Machine Learning**: Spark, Hadoop, Kafka, Redis, InfluxDB, MongoDB; scikit-learn, Tensorflow, Keras, PyTorch
- **Miscellaneous Technologies**: A/B testing, ETL, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Experimental design, Hypothesis testing, Git, Docker, Kubernetes, AWS, Azure
- **Languages**: Chinese (Native); French, English (Fluent).

PROFESSIONAL SERVICES AND AWARDS

- **Organizing committee**: Web chair of IEEE MDM'20, committee member of JDSE'19
- **Program committee**: ECML-PKDD'20
- **Reviewing**: AAAI'21, IEEE ICDE'21, SSTD'21, IEEE DSAA'20
- **Student travel award & volunteering**: IEEE International Conference on Big Data 2019