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

🏠 Versailles, France
📞 (+33) (0)6 50 13 98 29
@ jingwei.zuo.career@gmail.com
🌐 jingweizuo.com   in linkedin.com/in/jingweizuo   🐙 github.com/JingweiZuo

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, GCP, 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**: SIGSPATIAL'22, AAAI'21, IEEE ICDE'21, SSTD'21, IEEE DSAA'20
- **Student travel award & volunteering**: IEEE International Conference on Big Data 2019