Armen SULEJMANI

22 years old   ✉ armensulejmani91@gmail.com

in Armen SULEJMANI

Employment History

08/2024 – Present	**Software Engineer**, Luxembourg Institute of Science and Technology (LIST) Research and development on the European Project Climaborough and the BESSER platform.
02/2024 – 08/2024	**Software Engineer Intern**, Luxembourg Institute of Science and Technology (LIST) R&D of the BESSER platform, a low-code, low-modeling solution for rapidly creating smart software with automatic generation of REST APIs and fluent interfaces.
09/2022 – 02/2024	**Research Work Machine Learning**, University of Paris Saclay Led research on ML/DL interpretability using GLocalX, enhanced MNIST factor separation with B-VAE and advanced CNNs, and developed predictive models (Logistic Regression, SVM, Random Forest, XGBoost). Additionally, implemented partial LTL model checking in Python and C++.
04/2022 – 07/2022	**Software Engineer Intern**, Ouidou, *Paris* Implemented a new framework and developed GIS applications (ESRI) for the Office National des Forêts, supporting public forest management.

Education

2022 – 2024	**Master's Degree, Computer Science** in University of Paris Saclay 🎓 *Graduated with Highest Honor* Autonomous Systems includes modeling, algorithms, programming, and security. It provides more theoretical knowledge in AI (multi-agent systems, data analysis, machine learning), and formal methods, and leads to a significant initial research project.
2019 – 2022	**Bachelor's degree, Computer Science** in University of Paris Saclay Software Design and Systems Intelligence

Skills

Technical Skills	**Programming & Development**: Proficient in Python, C, Java; experience with web frameworks (Jinja) and SQL database management. **AI & Machine Learning**: Experience with ML and DL models (CNNs, GANs, RNNs) using TensorFlow, Keras, Scikit-learn; data preprocessing, feature engineering, and model deployment with Flask and FastAPI. **Design, Modeling & Systems Engineering**: Skilled in UML, Petri Nets, computational models, and automata theory. Expertise in designing scalable, maintainable microservice architectures.
Software & Tools	Microsoft Office (Excel, Word, PowerPoint), IntelliJ IDEA, Visual Studio, SolidWorks, Meca3D, Arduino, Regressi, ExAO, MATLAB, StarUML

Skills (continued)

Management & Collaboration	▌ **Project Management**: Experience with Agile/Scrum methodologies for efficient project delivery. Proficient in Jira, Confluence, Slack, and Microsoft Teams. **Collaboration**: Team leadership and cross-functional team collaboration.
Languages	▌ French (Native), English (Fluent), Luxembourgish (Learning), Serbo-Croatian (Native)
Additional Skills	▌ Problem-Solving, Quick Learner, Research Methodology (published in peer-reviewed journals), Public Speaking (conference presentations), Adaptable, Resourceful

Publication

Extending a Low-Code Tool with Multi-cloud Deployment Capabilities
♦ Awarded the ECSA Tools and Demos Paper Award
F. Ul Haq, I. Alfonso, A. Sulejmani, J. Cabot
European Conference on Software Architecture (ECSA), pp. 39-46, 2024

Building BESSER: an open-source low-code platform
I. Alfonso, A. Conrardy, A. Sulejmani, A. Nirumand, F. Ul Haq, et al.
International Conference on Business Process Modeling, Development and Implementation (BPMDI), 2024

Miscellaneous

Hobbies & Interests	▌ Enthusiastic about team sports (football, basketball), fostering teamwork and collaboration. Passionate about fitness and running, emphasizing self-discipline and goal-oriented mindset. Enthusiast of automotive technology and motorsports, combining technical curiosity and precision.
Volunteering	▌ Active volunteer with the local Blood Donation Association, organizing donation drives and promoting awareness. Regular blood donor, actively contributing to healthcare and community support. Also involved in local community development and environmental sustainability initiatives.