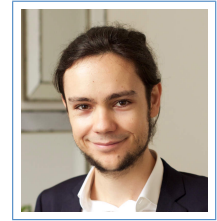


# Dr. Martin Gubri

Research Lead

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📄 [gubri.eu](http://gubri.eu)  
21 Oct. 1991



## Education

- 2019–2023 **PhD Degree, SnT, University of Luxembourg, Luxembourg.**  
PhD thesis in adversarial machine learning titled “What Matters in Model Training to Transfer Adversarial Examples”. Supervised by Prof. Dr. Yves Le Traon.
- 2014–2015 **Specialized Master, Data Science, EnsaE ParisTech, with high honor.**  
Courses on both theoretical & applied aspects of Machine Learning, Data Analysis & Econometrics with a emphasis on Computer Science & Big Data Processing and Analysis.
- 2012–2014 **Master’s Degree, Statistics and Econometrics, Toulouse School of Economics, with highest honor (head of the class, 1<sup>st</sup>/28).**  
Courses on Statistics, Data Analysis, Econometrics, Applied Mathematics & Programming.
- Since 2013 **MOOC, Coursera.**  
Bayesian Methods for ML, Neural Networks and DL, Improving Deep Neural Networks, Structuring ML Projects, Computing for Data Analysis, Data Analysis, Computer Networks.
- 2011–2014 **Magister Degree, Economics and Statistics, Toulouse School of Economics & Paul Sabatier University, with highest honor (3<sup>rd</sup>/16).**
- 2011–2012 **Bachelor’s Degree, Economics and Mathematics, Toulouse School of Economics.**
- 2009–2011 **Classe préparatoire aux grandes écoles, Lycée Montaigne, Bordeaux.**  
Khâgne & Hypokhâgne B/L, Humanities, Social Science & Mathematics.

## Work and volunteer experiences

- From Sep. 2023 **Research Lead, NT Parameter Lab GmbH, Tübingen, Germany.**  
Research interests at the intersectin of AI trustworthiness and large language models, including adversarial machine learning, privacy, alignment, and uncertainty. Supervised by Prof. Dr. Seong Joon Oh.
- Sep. 2019 — **Doctoral Researcher, SnT, University of Luxembourg, Luxembourg.**  
Aug. 2023 Doctoral researcher with a working contract. Research interests in adversarial machine learning, with a focus on the transferability of adversarial examples.
- Oct. 2017 — **Freelance Data Scientist & Independent Researcher, France.**  
Aug. 2019 Freelance working on Machine Learning, Data Analysis, Sampling design, Data Visualization, Big Data & Web Scraping. Independent Researcher on ML Security between contracts.
- Since Jan. 2017 **Information Security contributions.**  
26 XSS, RCEs on TeleMath server, etc. See full list of vulnerabilities on [gubri.eu](http://gubri.eu).
- Oct. 2015 — **Ford–Mozilla Technology Exchange Fellow, ONG Derechos Digitales, Chile.**  
Oct. 2016 Developer, Statistician and Technology Referent for various projects and reports about Computer Security, Privacy, Personal Data Protection, Cryptography, Net Neutrality & Censorship.
- Jun. 2015 — **R package development, Google Summer of Code for the R foundation.**  
Aug. 2015 Implementation of state-of-the-art predictors for Spatial Regression Models in *spdep*, the main R package for Spatial Statistics. Mentored by Roger Bivand & Giovanni Millo.

- Jun. 2014 — **Junior Researcher in Applied Spatial Econometrics**, *Blwhere consulting*, Paris.  
 Apr. 2015 Development of new methods to improve predictions using spatial interaction models for a business use case (intern for 3 months and employee later).  
 Since 2012 **Member of the board of directors of Framasoft**.  
 Major French-speaking FLOSS promoting non-profit organization. Co-president in 2017.

## Publications

1. Ulmer, D., Gubri, M., Lee, H., Yun, S., and Oh, S. J. Calibrating large language models using their generations only. In *ACL 2024* (2024) (details)
2. Gubri, M., Ulmer, D., Lee, H., Yun, S., and Oh, S. J. Trap: Targeted random adversarial prompt honeypot for black-box identification. In *ACL 2024 (findings)* (2024) (details)
3. Kim, S., Yun, S., Lee, H., Gubri, M., Yoon, S., and Oh, S. J. ProPILE: Probing privacy leakage in large language models. In *NeurIPS 2023 (spotlight)* (details)
4. Gubri, M. *What Matters in Model Training to Transfer Adversarial Examples*. PhD thesis, Unilu - University of Luxembourg, Luxembourg, June 2023 (details)
5. Gubri, M., Cordy, M., and Traon, Y. L. Going Further: Flatness at the Rescue of Early Stopping for Adversarial Example Transferability (pdf)
6. Gubri, M., Cordy, M., Papadakis, M., Traon, Y. L., and Sen, K. LGV: Boosting Adversarial Example Transferability from Large Geometric Vicinity. In *ECCV 2022* (2022) (pdf, video, poster, code)
7. Gubri, M., Cordy, M., Papadakis, M., and Traon, Y. L. Efficient and Transferable Adversarial Examples from Bayesian Neural Networks. In *UAI 2022* (2022) (pdf, poster, code)
8. Franci, A., Cordy, M., Gubri, M., Papadakis, M., and Traon, Y. L. Influence-Driven Data Poisoning in Graph-Based Semi-Supervised Classifiers. *CAIN 2022* (2022), 77–87 (pdf)
9. Ghamizi, S., Cordy, M., Gubri, M., Papadakis, M., Boystov, A., Le Traon, Y., and Goujon, A. Search-Based Adversarial Testing and Improvement of Constrained Credit Scoring Systems. In *FSE 2020* (2020), ESEC/FSE 2020 (doi, pdf, code)
10. Gubri, M. Adversarial Perturbation Intensity Achieving Chosen Intra-Technique Transferability Level for Logistic Regression. *arXiv:1801.01953 [cs, stat]* (2018) (pdf, code)

## Computer skills

Significant Contributions	Torchattacks, Adversarial Robustness Toolbox (ART), spdep R package, Common Voice
Programming	Python, R (incl. tidyverse), Bash, Html/Css, JS
Deep Learning	PyTorch, TensorFlow (basis), Keras (basis)
ML/Stats	Scikit-learn, Statsmodels, R Stats Package, Spdep, Rpart, Caret, <i>i.a.</i>
Database	MySQL, PostgreSQL, SQLite, MongoDB, DynamoDB, Oracle
VCS	Git
OS	GNU/Linux, MacOS, Windows
Office	LaTeX, LibreOffice, MS Office
Miscellaneous	Matplotlib, Seaborn, Scrapy, Flask, Bottle, Pig, Hdfs

## Linguistic skills

English	Fluent (TOEFL iBT Score in 2019: 101/120)
French	Native language

Spanish Fluent

German Basic

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## Interests

FLOSS, ML, Security, Statistics, Privacy, Climbing, Skiing