Giacomo Mariani

✉ karjudev@gmail.com   in karjudev   🌐 karjudev.github.io

Work Experiences

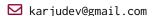**2023 – ····** 🔖 **Research Scholarship.** *A^3 Lab*, Department of Computer Science, University of Pisa.
Working on the "Giustizia Agile" project for a judiciary search engine, supervised by Prof. Paolo Ferragina.

2022 – 2023 🔖 **Research Scholarship.** *OSEP*, Department of Jurisprudence, University of Pisa.
Working on a machine learning-based anonymization platform for judiciary documents, supervised by Dr. Roberto Pellungrini.

2021 – 2022 🔖 **Research Scholarship.** *KDD Lab*, ISTI-CNR and University of Pisa.
Experiments on privacy risk assessment and prediction on text and psychometric data, and research on membership inference attack of machine learning explanation methods. Work developed under the supervision of Prof. Anna Monreale, Dr. Francesca Naretto and Dr. Roberto Pellungrini.

Education

2020 – 2023 🔖 **M.Sc. Computer Science**, University of Pisa.
Thesis title: *A Named Entity Recognition platform for Automatic Text Anonymization of Legal Documents*, supervised by Dr. Roberto Pellungrini (Scuola Normale Superiore).

2016 – 2020 🔖 **B.Sc. Computer Science**, 102/110, University of Pisa.
Thesis title: *Privacy risk assessment for text data*, supervised by Prof. Anna Monreale (University of Pisa) and Dr. Francesca Naretto (Scuola Normale Superiore).

Projects

2023 – ···· 🔖 **Technical Lead.** *Database della Giurisprudenza di Merito*, University of Pisa.
Solo developer, data engineer, system administrator and technical support of a judiciary search engine and data visualization platform for legal research.

2019 – 2022 🔖 **Core Team Member**. *Gambe.ro*.
Collaboration to the fork of the original Lobste.rs code, bug-fixing and translations. Development of Twitter, Telegram and Mastodon bots to share the articles posted on the website on social media.

Skills

Coding 🔖 Python, C, C++, Java, Julia, MATLAB, SQL, Elasticsearch, LaTeX, Scala (beginner).

Machine Learning 🔖 Keras, PyTorch, PyTorch Lightning, SciKit-Learn, HuggingFace Transformers.

Soft skills 🔖 Team work, autonomy, empathy, academic research.

Languages 🔖 Strong written and speaking competencies for English. Italian native speaker.

Research Publications

Conference Proceedings

1 G. Mariani, A. Monreale, and F. Naretto, "Privacy risk assessment of individual psychometric profiles," in *Discovery Science: 24th International Conference, DS 2021, Halifax, NS, Canada, October 11–13, 2021, Proceedings 24*, Springer, 2021, pp. 411–421.