Francesco Luigi De Faveri

PHD STUDENT · INFORMATION ENGINEERING

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Education

Department of Information Engineering - University of Padova   *Padova, Italy*

October 2023 -

PHD INFORMATION ENGINEERING   *(expected end: **October 2026**)*

- Advisor: Prof. Nicola Ferro
- Co-Advisor: Dr. Guglielmo Faggioli

School of Science - University of Padova   *Padova, Italy*

MS CYBERSECURITY   *October 2021 - September 2023*

- Master Thesis Advisors: Prof. Nicola Ferro, Dr. Guglielmo Faggioli
- Thesis Title: A Feasibility Study and Privacy Analysis of a Data Management Infrastructure in the Oncology Research Domain.

Department of Mathematics and Geosciences - University of Trieste   *Trieste, Italy*

BS MATHEMATICS   *October 2018 - September 2021*

- Bachelor Thesis Advisors: Prof. Andrea Sgarro, Dr. Laura Franzoi
- Thesis Title: A Possibilistic Approach to Fuzzy Arithmetic.

Professional Experience

2023 -	**Computer Scientist consultant**, CRO - Aviano Institute, Aviano, Italy
2022 - 2023	**Teaching Tutor**, Department of Information Engineering, University of Padova, Padova, Italy
2017 - 2018	**Social Media Manager**, Non-profit Itaca Cooperative, Pordenone, Italy
2016 - 2017	**Accountant Assistant Intern**, Colli del Soligo Winery, Pieve di Soligo, Italy
2016 - 2021	**Seasonal Trainer**, A.S.D. Il Faro, Conegliano, Italy

Publications

PUBLISHED

Francesco Luigi De Faveri, Guglielmo Faggioli, and Nicola Ferro. 2024. pyPANTERA: A Python PAckage for Natural language obfuscaTion Enforcing pRivacy & Anonymization. CIKM '24: Proceedings of the 33rd ACM International Conference on Information and Knowledge Management, Boise, ID, USA, 21-25 October, 2024: 5348 - 5353.
Available at: `https://doi.org/10.1145/3627673.3679173`.

Lorenzo Cazzador, **Francesco Luigi De Faveri**, Filippo Franceschini, Lorenzo Pamio, Samuel Piron, Nicola Ferro. 2024. SE-UPD@CLEF: Team MOUSE on Enhancing Search Engines Effectiveness with Large Language Models. Working Notes of the Conference and Labs of the Evaluation Forum (CLEF 2024), Grenoble, France, 9-12 September, 2024: 2336-2355.
Available at: `https://ceur-ws.org/Vol-3740/paper-217.pdf`.

Francesco Luigi De Faveri, Luca Cosuti, Pier Paolo Tricomi, and Mauro Conti. 2023. Twitter Bots Influence on the Russo-Ukrainian War During the 2022 Italian General Elections. Security and Privacy in Social Networks and Big Data - Proceedings of the 9th International Symposium, SocialSec 2023, Canterbury, UK, August 14-16, 2023: 38-57.
Available at: `https://link.springer.com/chapter/10.1007/978-981-99-5177-2_3`.

Francesco Luigi De Faveri, Guglielmo Faggioli, Nicola Ferro. 2024. Beyond the Parameters: Measuring Actual Privacy in Obfuscated Texts. Proceedings of the 14th Italian Information Retrieval Workshop, Udine, Italy, September 5-6, 2024.
Available at: `https://ceur-ws.org/Vol-3802/paper5.pdf`.

Francesco Luigi De Faveri, Guglielmo Faggioli, Nicola Ferro, Riccardo Spizzo. 2024. "Dead or Alive, we can deny it". A Differentially Private Approach to Survival Analysis. Proceedings of the 32nd Symposium of Advanced Database Systems, Villasimius, Italy, June 23rd to 26th, 2024: 401-411.
Available at: `https://ceur-ws.org/Vol-3741/paper69.pdf`.

Francesco Luigi De Faveri. 2023. A Feasibility Study and Privacy Analysis of a Data Management Infrastructure in the Oncology Research Domain. University of Padova.
Available at: `https://hdl.handle.net/20.500.12608/52253`.

In Review

Francesco Luigi De Faveri, Guglielmo Faggioli, and Nicola Ferro. 2024. Words Blending Boxes. Obfuscating Queries in Information Retrieval using Differential Privacy. Submitted to Information Sciences Journal, Special Issue on Information Hiding. Under Minor Revision (2nd revision).
Preprint available at: `https://arxiv.org/abs/2405.09306`.

Francesco Luigi De Faveri. 2024. Cybersecurity, Anonymization, Data Management and Ethical Considerations in Pediatrics. Commentary on the seminar "Technology Innovations in Pediatrics: AI and Telehealth" held in Padova on May 23rd and 24th, 2024. To appear in the Special Issue on "AI and Pediatrics" in the Italian Journal of Pediatrics.

Awards, Fellowships, & Grants

2024	**Best Resource Paper Award**, for the paper "pyPANTERA: A Python PAckage for Natural language obfuscaTion Enforcing pRivacy & Anonymization.". Awarded by: ACM - Association for Computing Machinery
2019	**High school Student Scholarship Grant**, Grant for honor roll student. Awarded by: Lions Club & Rotary Club
2017	**B1 Certificate on Ancient Roman Latin**, PROBAT Linguistic Certificate. Awarded by: Veneto Region, Italy

Presentations

* presenting author

Invited Talks

May 23rd, 2024. *Cybersecurity, Anonymization, Data Management and Ethical Considerations in Pediatrics.*. Invited talk: Seminar "Technology Innovations in Pediatrics: AI and Telehealth", Padova, Italy.

Mat 18th, 2024. *Web Security* Lecture. Presentation on Web Security attacks during the Web Applications Course in the Master Degree on ICT and Multimedia at the Department of Information Engineering, University of Padova.

Conference Presentations

Francesco Luigi De Faveri[*], Guglielmo Faggioli, and Nicola Ferro. 2024. Oral presentation of "pyPANTERA: A Python PAckage for Natural language obfuscaTion Enforcing pRivacy & Anonymization." at the CIKM'24 Conference, Boise, ID, USA.

Francesco Luigi De Faveri[*], Guglielmo Faggioli, and Nicola Ferro. 2024. Oral presentation of "Beyond the Parameters: Measuring Actual Privacy in Obfuscated Texts." at the IIR'24 Workshop, Udine, Italy.

Francesco Luigi De Faveri[*], Guglielmo Faggioli, Nicola Ferro, and Riccardo Spizzo. 2024. Oral presentation of ""Dead or Alive, we can deny it." A Differentially Private Approach to Survival Analysis." at the SEBD'24 Conference, Villasimius, Italy.

Teaching Experience

2022-2023	**Biometrics, Teaching Tutor**, University of Padova	*Padova, Italy*
2022-2023	**Stochastic Processes, Teaching Tutor**, University of Padova	*Padova, Italy*

Outreach & Professional Development

Service and Outreach

2024	**ACM CIKM'24**, Best Demo Paper Committee Member	*Boise, ID, USA*

Peer Review

2024	**ACM CIKM'24**, Program Committee Member of the Demo Paper Track	*Boise, ID, USA*
2024	**ACM CIKM'24**, External Reviewer of Full Paper and Research Applied Tracks	*Boise, ID, USA*
2024	**ACM RecSys'24**, External Reviewer of Full Paper Track	*Bari, Italy*
2024	**ACM SIGIR'24 - LLM4Eval Workshop**, External Reviewer	*Washington DC, DC, USA*
2024	**CLEF'24**, Program Committee Member of the Full Paper Track	*Grenoble, France*
2024	**TPDL'24**, Program Committee Member of the Short Paper Track	*Ljubljana, Slovenia*

Professional Memberships

ACM Member from August 1st 2024
ACM SIGIR Member from August 1st 2024

Declaration: I hereby consent to the processing of this CV and the personal data contained within, by anyone who receives this document for the sole purpose of considering my application for employment opportunities, in accordance with Article 6.1(a) of GDPR (EU) 2016/679. In addition, I certify that the information presented in this resume reflects my qualifications and experience.

Signature: *Francesco L. De Faveri*

Francesco Luigi De Faveri