Delaunay Julien

PHD STUDENT · COMPUTER SCIENCE

Inria, Rennes, France

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Education

Inria Rennes - Rennes 1 University   *Rennes, France*
PHD COMPUTER SCIENCE   *2020 - present*
- Advisor: Dr. Largouët Christine
- Advisor: Dr. Galárraga Luis

Rennes 1 University   *Rennes, France*
MS COMPUTER SCIENCE   *2019 - 2020*
- Advisor: Dr. Galárraga Luis
- Advisor: Dr. Largouët Christine

Sherbrooke University   *Sherbrooke, Canada*
MS COMPUTER SCIENCE   *2018 - 2019*
- Artificial Intelligence, Data Mining, Web Application, Parallel Programming

Rennes 1 University   *Rennes, France*
BS UNDERGRADUATE DEGREE   *2015 - 2018*
- Object Programming, Web Programming, Economy, Compatibility

Professional Experience

2022-2023	**Graduate Teaching Assistant**, Computer Science, Rennes 1 University, Institut Agro
2022-2023	**Visiting Researcher**, Aalborg University, Denmark
2021-2022	**Graduate Teaching Assistant**, Computer Science, Rennes 1 University, ENSAI
2020-2021	**Graduate Teaching Assistant**, Computer Science, Rennes 1 University, ENSAI
2020	**Final year internship (Master)**, Inria, Rennes
2018	**Final year internship (Bachelor)**, Inria, Rennes
2016-2018	**temporary library worker**, Les Champs Libres, Rennes

Publications

PUBLISHED

Delaunay, J, Chaffin, A. "Honey, Tell Me What's Wrong", Explicabilité Globale des Modèles de TAL par la Génération Coopérative. Traitement Automatique du Langage Naturel (TALN) 2023.

Delaunay, J, Galárraga, L, Largouët, C, Van Berkel, N. Workshop on Human-Centered Explainable AI at Conference on Human Factors in Computing Systems (CHI) 2023.

Wester, J, **Delaunay, J**, De Jong, S, Van Berkel, N. On Moral Manifestations in Large Language Models. Workshop on Moral Agent at Conference on Human Factors in Computing Systems (CHI) 2023.

Delaunay, J, Galárraga, L, Largouët, C. When Should We Use Linear Explanations?. International Conference on Information and Knowledge Management (CIKM) 2022.

Delaunay, J, Galárraga, L, Largouët, C. Pourquoi les explications linéaires ne sont-elles pas toujours satisfaisantes?. Association Francophone d'Interaction Humain-Machine (AFIHM) 2022.

Delaunay, J, Galárraga, L, Largouët, C. Counterfactual Generation for Text. Intelligent Data Analysis (IDA) 2022.

Gaudel, R, Galárraga, L, **Delaunay, J** Largouët, C. s-LIME: Reconciling Locality and Fidelity in Linear Explanations. Intelligent Data Analysis (IDA) 2022.

Delaunay, J, Galárraga, L, Largouët, C. Improving Anchors-based Explanations. International Conference on Information and Knowledge Management (CIKM) 2020.

Galárraga L, **Delaunay, J**, Dessales, J. REMI: Mining Intuitive Referring Expressions. International Conference on Extending Database Technology (EDBT/ICDT) 2020.

In Review

Delaunay, J, Galárraga, L, Largouët, C. Van Berkel, N. Impact of Explanation Techniques and Representations on Users Comprehension and Trust in Explainable AI. Visualization & Visual Analytics (VIS) 2023.

Delaunay, J, Galárraga, L, Largouët, C. Explaining a Black Box without another Black Box. Conference on Empirical Methods in Natural Language Processing (EMNLP) 2023.

Delaunay, J, Chaffin, A. "Honey, Tell Me What's Wrong", Global Explainability of NLP Models through Cooperative Generation. International Conference on Information and Knowledge Management (CIKM) 2023.

Presentations

Contributed Presentations

Delaunay, J, Galárraga, L, Largouët, C. 2022. When Should We Use Linear Explanations?. International Conference on Information and Knowledge Management (CIKM) 2022, Atlanta, Georgia.

Delaunay, J, Galárraga, L, Largouët, C. 2022. Counterfactual Generation for Text. PhD session in International conference in Intelligent Data Analysis, Rennes.

Delaunay, J, Galárraga, L, Largouët, C. 2022. Pourquoi les explications linéaires ne sont-elles pas toujours satisfaisantes ?. IHM '22 – Atelier IHM et XAI, University of Namur, Belgium.

Delaunay, J, Galárraga, L, Largouët, C. 2022. When Should We Use Linear Explanations?. Departmental seminar: Data Knowledge Management, Inria, Rennes.

Delaunay, J, Galárraga, L, Largouët, C. 2021. APE: Adapted Post-Hoc Explanations. Fall Institute in Artificial Intelligence, Sorbone Center for Artificial Intelligence, Paris.

Teaching Experience

Spring '23	**Short-term Prediction Method**, Teaching Assistant	*Rennes 1 Univ.*
Spring '23	**Machine Learning in Python**, Teaching Assistant	*Institut Agro*
Spring '22	**Short-term Prediction Method**, Teaching Assistant	*Rennes 1 Univ.*
Winter '21	**Neural Network**, Teaching Assistant	*ENSAI, Rennes*
Winter '21	**Latex, Python, Excel**, Teaching Assistant	*ENSAI, Rennes*
Winter '21	**Object-oriented Programming**, Teaching Assistant	*Rennes 1 Univ.*
Winter '21	**Technology Intelligence**, Jury Member	*Rennes 1 Univ.*
Spring '21	**Short-term Prediction Method**, Teaching Assistant	*Rennes 1 Univ.*
Winter '20	**Latex, Excel**, Teaching Assistant	*ENSAI, Rennes*
Winter '20	**Object-oriented Programming**, Teaching Assistant	*Rennes 1 Univ.*
Winter '20	**Technology Intelligence**, Jury Member	*Rennes 1 Univ.*

Mentoring

2021	**Lacourt Jacques**, Undergraduate	*Centrale Marseille*

Outreach & Professional Development

Service and Outreach

2021-2022	**Monthly seminars of the Data Knowledge Management department**, Organisation Member	*Inria/Irisa Rennes*
2020-	**Centre Committee**, College Representative C	*Inria Rennes*
2018	**Association of Resident**, Communication Manager	*Sherbrooke University*

PEER REVIEW

I will review for the Conference on Emperical Methods in Natural Language Processing (EMNLP) 2023.

I reviewed for the Association for Computational Linguistics Rolling Review (ACL Rolling Review) 2023.

I reviewed for Conference on Knowledge Discovery and Data Mining (SIGKDD) 2022.

CONFERENCE ORGANISATION

I was involved in the organisation of the Intelligent Data Analysis (IDA) 2022 conference.

DEVELOPMENT

Joint EurAI Advanced Course on AI and Tailor Summer School 2022, in Universidad Politécnica de Cataluña Barcelona, this summer school was one week long and includes two simultaneous tracks of international researcher specialized in both explainability and trustworthness.

Fall Institute in Artificial Intelligence 2021, in Sorbonne Center for Artificial Intelligence Paris, during a week we assisted to conferences about interpretability and had the opportunity to exchange and present our work.