Paulo Mann

✆ (+55) 21 998486614
✉ paulomann@id.uff.br, paulomannjr@gmail.com
⌨ https://github.com/paulomann

Education

2019–present **D.Sc. Computer Science**, *Department of Computer Science, Department of Psychology*, Universidade Federal Fluminense (UFF), RJ, Brasil.

2017–2019 **M.Sc. Computer Science**, *Department of Computer Science, Department of Psychology*, Universidade Federal Fluminense (UFF), RJ, Brasil.

2012–2016 **Computer Science**, *Department of Computer Science*, Universidade Federal Fluminense (UFF), RJ, Brasil.

Research Positions

2019–present **LMDC Lab**, *Department of Computer Science*, UFF, RJ.
Research Assistant. Currently applying deep learning algorithms to generate metadata from one of the pre-salt layers — called LIBRA — reports for Petrobras. The metadata is going to be attached to a data lake structure to concentrate raw information with extracted ones to improve knowledge of the many existent reports of the LIBRA layer of pre-salt. Is currently developing a system for information retrieval and document similarity.

2015–2016 **Antonio Guto Rocha Lab of Computer Networks**, UFF, RJ.
Research Assistant. Created a prototype of a new architecture of web communication, where devices are indexed by their states and context, not only by their IP. This approach leveraged a new platform of task creation and attribution, based on the context and state of each system user, which in turn made viable the assignment of tasks for users that have a higher probability of completing them. The final product was a prototype demonstrating the efficiency of the proposed architecture in JavaScript for our co-workers at New York University (NYU).

Refereed Publications

Lourenco, V., **Mann, P.**, Guimaraes, A., Paes, A., & de Oliveira, D. (2018, July). Towards Safer (Smart) Cities: Discovering Urban Crime Patterns Using Logic-based Relational Machine Learning. In 2018 International Joint Conference on Neural Networks (IJCNN) (pp. 1-8). IEEE.

Lourenco, V., **Mann, P.**, Paes, A., & de Oliveira, D. (2016). Siapp: Um sistema para análise de ocorrências de crimes baseado em aprendizado lógico-relacional.

Manuscripts Under Review

Mann, P., Paes, A., & Elton H. Matsushima. (2019, January). ReadOrSee: Detecting Depression Symptoms in Higher Education Students from Pictures and Captions Posted in Social Media. *In Submission* 2019.

Travel Grant

2019 **Khipu**, Montevideo, Uruguay.
Received travel and accommodation grants for the Latin American Meeting In Artificial Intelligence, where only "about 20%" were selected from "966 candidates", and "each application was reviewed by at least two people".

Volunteer Work

2015–2016 **Data Science Lab**, UFF, RJ.
Research Assistant. Developed a framework called CRiMINaL that collects occurrences of crime data, through a crowd-sourcing platform, to automatically induce patterns with a relational Machine Learning approach. The data used to investigate the efficiency of the proposed approach was collected from Niterói, a municipality from state of Rio de Janeiro.

Students/Advising

2018 **Marco Antonio de Carvalho Bonetti**.
Co-advisor. Received your letter: analysis of Van Gogh letters with machine learning. Undergraduate Thesis. (Bachelor of Information Systems) - Universidade Federal Fluminense, RJ

Miscellaneous Experience

2014–2015 **Finxi Company**, RJ.
Intern. Developed several games with educational purposes in Adobe Flash platform for Android and iOS systems. Maintained the database (Microsoft SQL) while developed new Web Services with C# language in .NET framework. Also created a Web Admin interface for the management of the product with HTML, JavaScript, JQuery and Bootstrap.

Programming Languages

Advanced	Python
Intermediate	Unix Scripting, JavaScript, C, C++, Java, SQL
Basic	Web Development

Languages

Portuguese	Native
English	Advanced
French	Intermediate