



# Júlio Guedes


SOFTWARE ENGINEER | COMPUTER SCIENCE M.Sc. CANDIDATE | MACHINE LEARNING PRACTITIONER

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## Experience

Present May 2022	<b>Indaband</b>  <b>SOFTWARE ENGINEER</b> Joined as a part-time Data Scientist and transitioned to full-time Software Engineer. Member of the team for creation and implementation of solutions for feed recommendation and item discovery in the context of music.
February 2022 October 2019	<b>Dell EMC and Data Mining Laboratory</b> <b>RESEARCH TEAM LEADER</b> Data Science internship until October 2020. Upgraded to Team Leader aiming at researching and developing solutions to enhance customer service. <ul style="list-style-type: none"><li>• Management of a 3 undergraduate students team.</li><li>• Research and application of Machine Learning techniques in a microservice-based environment to provide real-time insights.</li></ul>
May 2019 June 2018	<b>ePol</b>  <b>SOFTWARE ENGINEER INTERN</b> Implemented new features and maintained existing ones in a large-scale web system for law enforcement activities. Improved developers' experience and Software Engineering settings by refactoring our code to follow a consistent code style, facilitating code reviews and feature integration.
March 2018 November 2016	<b>Computer Science Department @ Federal University of Campina Grande</b> <b>TEACHING ASSISTANT</b> Assisted over 200 students in Computer Science Programming 1 Laboratory classes using Python. Directly responsible for overseeing 20 freshmen undergraduate students.

## Education

September 2023 June 2016	<b>Federal University of Campina Grande</b>  <b>B.Sc. AND M.Sc. CANDIDATE IN COMPUTER SCIENCE</b> Undergraduate course focused on Data Science and Machine Learning, with a special interest in Natural Language Processing and Recommender Systems. Followed up with a Masters' research on performance and explicability improvement through Transfer Learning and Pre-training. <ul style="list-style-type: none"><li>• 9.26/10 GPA in M.Sc. (ongoing)</li><li>• 8.30/10 GPA in B.Sc.</li></ul>
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## Publications

<b>Evaluating Pre-training Strategies for Collaborative Filtering</b> DA COSTA, J.B.G., MARINHO, L., SANTOS, R., PARRA, D. 31 <sup>st</sup> ACM Conference On User Modeling, Adaptation And Personalization (UMAP 2023). Acceptance letter received on April 11 <sup>th</sup> , 2023.	<i>Lymassol, Cyprus (to be held)</i> June 2023
<b>Similarity-Based Explanations meet Matrix Factorization via Structure-Preserving Embeddings</b>  MARINHO, L., DA COSTA, J.B.G., PARRA, D., SANTOS, R. 27 <sup>th</sup> Annual Conference on Intelligent User Interfaces (IUI 2022)	<i>Remote, Helsinki, Finland</i> March 2022

## Conferences

2022	<b>Paper Co-author</b> , 27 <sup>th</sup> Annual Conference on Intelligent User Interfaces (IUI 2022)	<i>Helsinki, Finland (Online)</i>
2022	<b>Student Volunteer</b> , 10 <sup>th</sup> International Conference on Learning Representations (ICLR)	<i>Global (Online)</i>
2021	<b>Attendee</b> , 15 <sup>th</sup> ACM Recommender Systems Conference (RecSys)	<i>The Netherlands (Online)</i>
2020	<b>Student Volunteer</b> , 14 <sup>th</sup> ACM Recommender Systems Conference (RecSys)	<i>Brazil (Online)</i>
2019	<b>Attendee</b> , Brazilian Conference on Intelligent Systems (BRACIS)	<i>Salvador, Brazil</i>
2018	<b>Attendee</b> , Brazilian Conference on Intelligent Systems (BRACIS)	<i>São Paulo, Brazil</i>
2016	<b>Attendee</b> , Brazilian Conference on Intelligent Systems (BRACIS)	<i>Recife, Brazil</i>