

Guilherme Alves da Silva

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BRAZILIAN, MALE, 23 YEARS OLD.

EDUCATION AND TRAINING	<ul style="list-style-type: none">▪ Master of Computer Science 2015-2017 (expected) Federal University of Uberlândia, Uberlândia, Brazil Research Area: Stream Data Mining and Semi-Supervised Clustering. Advisor: Maria Camila N. Barioni, Ph.D.▪ Bachelor of Computer Science 2011-2015 Federal University of Uberlândia, Uberlândia, Brazil<ul style="list-style-type: none"><i>Teaching assistant</i> I was teaching assistant in Procedural Programming (2011) and Management Databases Systems (2014).<i>Research activities</i> Project: Mining Contextual Preferences. Research Area: Data Mining, Preferences, and Bayesian Networks. Advisor: Sandra de Amo, Ph.D.▪ Technician in Computer Networks 2009-2011 Senac, Uberlândia, Brazil
AWARDS	Olimpíada Brasileira de Matemática das Escolas Públicas: Honorable mention 2009
SCHOLARSHIPS	Capes DS Program 2016-2017 Agency: Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (Capes) Scientific Initiation (PIBIC/UFU) 2012-2014 Agency: Fundação de Amparo à Pesquisa do Estado de Minas Gerais (Fapemig)
PUBLICATIONS	<ul style="list-style-type: none">▪ Visual Perception Similarities to Improve the Quality of User Cold Start Recommendations. In 29th Canadian Conference on Artificial Intelligence (AI). 2016, Canada, pages 96-101.▪ Social PrefRec framework: leveraging recommender systems based on social information. In 3rd Symposium on Knowledge Discovery, Mining and Learning (KDMiLe). 2015, pages 66-73.▪ Mining User Contextual Preferences. In Journal of Information and Data Management (JIDM), v. 4, pages 37-46, 2013.▪ CPrefMiner: An Algorithm for Mining User Contextual Preferences Based on Bayesian Networks. IEEE 24th International Conference on Tools with Artificial Intelligence, 2012, Athens. pages 114-121.▪ Mining User Contextual Preferences. In 27th Brazilian Symposium on Databases (SBBDD), São Paulo, 2012.

TECHNICAL
SKILLS

- **Main skills:** I have experience in data mining, specifically: preference learning, context-awareness, bayesian networks and recommender systems.
- **Main languages:** Java, Python and C.
- **Second languages:** Haskell and Prolog.
- **Design and Analysis:** UML, Scrum and Waterfall.
- **Databases:** SQL, PL/pgSQL, PostgreSQL and MySQL.
- **Web technologies:** Servlet/JSP, JSF, Javascript, GWT, HTML and CSS.
- **Other technologies:** JBoss and JasperReports.
- **Tools:** SVN, Git, Maven and Latex.
- **Other skills:** I have good knowledge and practice concerning classical data structures, such as vectors, linked list, trees, hashing and especially the efficient use of their implementations in Java. I also maintain expertise in implementing database structures, for example, B-tree.

IDIOMS

Portuguese (mother tongue) and **English** (B1).