

Overview

Skilled professional with strong knowledge in programming, algorithm analysis and web-based applications. Strong communication and leadership skills in multidisciplinary environments. Experienced in product development and conducting scientific research, especially in Machine Learning and AI areas.

Education

Ph.D. in Computer Science [2005 - present]
Federal University of Rio Grande do Sul (UFRGS)
Thesis: "Learning by Creating Networks", analysis and creation of machine learning algorithms that manipulate network structures in order to learn, focusing in network topology and its relation to learning efficiency.

M.S. in Computer Science [2003 - 2004]
Federal University of Rio Grande do Sul (UFRGS)
Thesis: "Machine Learning in Complex Systems", an analysis of how learning takes place in some complex multi-agent environments, such as markets.

B.S. in Computer Engineering [1999 - 2003]
University of Rio Grande (FURG)
Dissertation: "Project and Implementation of an Omni-directional Mobile Robot", specification and development from ground up of an omni-directional mobile robot to play Robot Soccer.

Professional Experience

University of Rio Grande (Brazil) [2006 – present]
Professor. Lecturing Algorithmics, Computer Architecture, Introduction to Computer Science;
Programming Coach: coach for the university's teams for the ACM Programming Contest (ACM ICPC)

Google Inc. [jul. 2005 – dec. 2006]
Consultant Researcher: research of Google's Orkut phenomena in Brazil, discovery of reasons for its success and ways to make it successful in other countries, including conducting focal groups in several cities in the country and qualitative and quantitative data analysis. With Raquel Recuero, Alex Primo. Results presented at a Google Tech Talk in May 2006.

More info

<http://www.orkut.com/Profile.aspx?uid=9732374031425672925>

<http://www.linkedin.com/in/rmaraujo>

Pontomidia Ltd. (Brazil) [1999 - 2003]
Team Manager: Management of interdisciplinary team for development of websites and intranets.
Developer: Development of internet and intranet products using several programming languages and database managers

Agrotec Ltd. (Brazil) [1998]
Intern: development of automatic droplet analyzer for drift measurement in agricultural applications of chemical products.

SJ Info (Brazil) [1997]
Intern: website development; ISP customer support

Latest relevant publications

An information theoretic analysis of memory bounds in a distributed resource allocation mechanism. To appear in Google's sponsored IJCAI 2007, Hyderabad, India.

Machine Learning in complex multi-agent systems. International Joint Conference CTDIA 2006. Ribeirão Preto, SP, Brasil.

The Co-link Project: collaborative writing of multidirectional links. ACM Conference on Computer Supported Cooperative Work (CSCW), 2004, Chicago, Illinois.

Neural-Evolutionary Learning in a Bounded Rationality Scenario. ICONIP 2004, Calcutta, India.

Systems Built

Agroscan: software for automatic analysis of droplet sizes for drift measurement of agricultural chemical applications

Co-link: prototypical framework to allow multiple links to be embedded in one single web link (www.co-link.org)

AgendaSMS: allows sending SMS through the web, keeping record of contacts' numbers

Orkut Scrapper for GDS: Google Desktop gadget that allows keeping track of scraps in orkut

Fotolog crawler: a crawler to retrieve and analyze friends' relations in fotolog.net

Languages Spoken

Fluent: English, Portuguese

Regular: French, Spanish

Beginner: Mandarin (Chinese)

Specific Knowledge

Programming Languages: C, C++, Java, Javascript, PHP, ASP, Pascal, Perl

Other Languages: (X)HTML, SQL, LaTeX

Operating Systems: Windows, Linux, MacOS

Applications: JBuilder, Delphi, Photoshop, Dreamweaver, CorelDraw

Interests

Web development, Web standardization, Machine Learning, Artificial Intelligence, Social Networks, Algorithmics, Robotics, Human-computer interaction, Mobile technologies

Play board games, computer games, read books, go to the movies, visit different places, know different people