

Pablo Nascimento Mendes

PhD student in Computer Science

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Research Interests

Natural Language Processing (esp. Text Mining), Information Extraction and Retrieval, Machine Learning, Knowledge Discovery and Semantic Web

Education

2007 PhD student in Comp. Sci., Wright State University (adviser: Amit Sheth) - *in progress*
2005-2007 PhD student in Computer Science, University of Georgia (UGA) GPA 3.81 - *transfer*
2003-2005 Master's Degree in Computer Science, Univ. Federal do Rio de Janeiro (UFRJ)
1999-2002 Bachelor's Degree in Computer Science, Universidade Federal de Juiz de Fora (UFJF)
1996-1998 Technical High School in Industrial Informatics, Col. Téc. Universitário (CTU/UFJF)

Skills

1. Independent, creative, natural leader, dynamic and collaborative in group efforts
2. Solid knowledge in software engineering and knowledge modeling
3. Advanced knowledge in Web technologies, Web2.0, Web Services and Semantic Web (WSDL, SOAP, BPEL, Ajax, REST, XML, RDF, OWL, SPARQL, etc.)
4. Programming in Java, Hadoop/MapReduce/Cloud/Grid, PHP, Perl, Prolog, Lisp, C, Bash

Experience

- 2009** Research Intern at Yahoo! Research Barcelona (Spain)
- Summer research appointment within the Natural Language Retrieval group.
- 2008** Technical Intern at Yahoo! Search (Santa Clara)
- Hybrid engineering and research appointment within the Search Monkey project.
- 2007-present** Research Assistant at Knoesis Center at Wright State University
- Research on Text Mining, towards Semantic Information Extraction, Integration and Retrieval on the Web. Current application field is Biomedical text.
- 2007 (Jan-Jul)** Research Assistant at LGB (<http://fungen.org>) at the University of Georgia
- Automation of two data analysis workflows (resulting in 50% less human involvement)
- Creation and maintenance of genome databases (Java, Oracle)
- 2005-2006** Research Assistant at LSDIS (<http://lsdis.cs.uga.edu>) and Kissinger Laboratory (<http://mango.ctegd.uga.edu/jkissingLab/>) at the University of Georgia
- Research on Data and Software Integration
- Development and support of genomic databases such as TcruziDB.org e ApiDB.org (Java, Perl, Oracle, Linux)
- Development with Web Services and Processes, as well as Web2.0 and Semantic Web technologies (Java, BPEL, WSDL, XML, RDF, OWL, Oracle, MySQL)
- 2004-2005** Research Assistant at Fiocruz (Fundação Oswaldo Cruz – <http://www.fiocruz.org.br>)
- Coordination and development of the GARSa system for genomic analyses support within the BioWebDB project (Perl, CGI, HTML, Oracle, MySQL, Linux)

Publications

1. Ramakrishnan C, **Mendes PN**, Gama RATS, Ferreira GCN, Sheth AP, "Joint Extraction of Compound Entities and Relationships from Biomedical Literature," WI2008 IEEE/WIC/ACM International Conference on Web Intelligence (WI-08), Sydney Australia, Dec. 9-12, 2008.
2. Ramakrishnan C, **Mendes PN**, Wang S, Sheth AP, "Unsupervised Discovery of Compound Entities for Relationship Extraction," EKAW 2008 - 16th International Conference on Knowledge Engineering and Knowledge Management Knowledge Patterns, Acitrezza, Catania, Italy, 9-29 tp 10-3, 2008. [10.1007/978-3-540-87696-0](#)
3. **Mendes PN**, McKnight B, Sheth AP, Kissinger JC, "TcruziKB: Enabling Complex Queries for Genomic Data Exploration," International Conference on Semantic Computing, vol. 0, no. 0, pp. 432-439, 2008 IEEE International Conference on Semantic Computing, 2008.[10.1109/ICSC.2008.93](#)
4. Dávila AMR, **Mendes PN**, Wagner G, Tschoeke DA, Cuadrat RRC, Liberman F, Matos L, Satake T, Ocaña KACS, Triana O, Cruz SMS, Jucá HCL, Cury JC, Silva FN, Geronimo GA, Ruiz M, Ruback E, Silva Jr. FP, Probst CM, Grisard EC, Krieger MA, Goldenberg S, Cavalcanti MCR, Moraes MO, Campos MLM and Mattoso M. ProtozoaDB: dynamic visualization and exploration of protozoan genomes. Nucl. Acids Res., 2007: p. [gkm820](#).
5. Dávila AMR, Lorenzini DM, **Mendes PN**, Satake TS, Sousa GR, Campos LM, Mazzoni CJ, Wagner G, Pires PF, Grisard EC. GARSa: Genomic Analysis Resources for Sequence Annotation. Bioinformatics, 2005.
6. Guerreiro LTA, Souza SS, Wagner G, Souza EA, **Mendes PN**, Campos LM, Barros L, Pires PF, Campos MLM, Grisard EC, Dávila, AMR. Exploring the genome of Trypanosoma vivax through GSS and in silico comparative analysis. Omics, NY, USA, v. 9, n. 1, p. 116-128, 2005.
7. Aguero F, Zheng W, Weatherly DB, **Mendes P**, Kissinger JC. TcruziDB: An integrated, post-genomics community resource for Trypanosoma cruzi. Nucleic Acids Research 34, 2006: D428-431.

Awards

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| 2004 | Training Innovations in Parasitologic Studies Fellowship – EMF / CTEGD - UGA |
| 2003-2005 | Master's Scholarship Recipient – Núcleo de Computação Eletrônica - UFRJ |
| 2000-2001 | Open Gates Project Fellowship, Agrosoft/Softex (UFJF) |
| 2001 | XVI RYLA – Rotary Youth Leadership Awards, D. 4600 |
| 1998 | XII RYLA – Rotary Youth Leadership Awards, D. 4600 |
| 1997 | XI RYLA – Rotary Youth Leadership Awards, D. 4600 |

References

Amit Sheth, Ph.D., IEEE Fellow, LexisNexis Ohio Eminent Scholar <amit.sheth@wright.edu>
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Kevin Haas, Senior Engineering Manager <khaas@yahoo-inc.com>
Yahoo! Search

Lee Pratt, Ph.D., Distinguished Research Professor <leepratt@uga.edu>
Laboratory for Genomics and Bioinformatics - ☎ +1(706)542-1841

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