

# RESUME

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## *Research Interests*

- Software Engineering (software specification issues) and Hypermedia Development (modelling and evaluation of hypermedia applications, particularly through Web Engineering).
- The synergy between Software Engineering, Human-Computer Interaction and Hypermedia as an approach boosting the understanding of new software development processes

## *Education*

- Visiting Scholar at Georgiatech – Atlanta, GA – USA, 2000/2001
- D.Sc. in Computational Physics at IFSC-USP - S. Carlos-SP - BRAZIL, 1996
- M.Sc in Computer Science at ICMSC-USP - S. Carlos-SP - BRAZIL, 1991
- B.Sc in Computer Science at ICMSC-USP - S. Carlos-SP - BRAZIL, 1982

## *Experience/Skills*

- Jun. 1987 – currently at USP - University of São Paulo - ICMC. Researcher and Lecturer. Activities: Research and development of software tools for Unix and Windows operating systems. Teaching of graduate and undergraduate courses *in Portuguese*, such as Database Systems, Software Engineering, Hypermedia, Object Oriented Programming Languages.
- Oct. 1986 – May 1987: Software Analyst at ELEBRA -TELECOM (Eletronica Brasileira - Telecomunicacoes e Controle), São Paulo- SP.
- Feb. 1985 - Sept. 1986: Software Analyst at ALCAN (Alunordeste- Alumínio do Brasil - Nordeste S/A), Candeias - BA.
- Jan. 1983 – Jan. 1985: System Analyst at SERPRO-CTI (Servico Federal de Processamento de Dados - centro de Tratamento de Informacoes), Osasco - SP.

## *Publications*

- Reis, C. R. ; Fortes, R.P.M. “ An Overview of the Software Engineering Process and Tools in the Mozilla Project” - In: Workshop on Open Source Software Development, *Proceedings*. Newcastle UK, February 25-26, 2002, pp.162-182.
- Soares, M.D.; Fortes, R.P.M.; Moreira, D.A. “ *VersionWeb*: a tool for helping Web pages version control” . In: International Conference on Internet and Multimedia Systems and Applications (IMSA 2000), *Proceedings*. Las Vegas-NE USA, November 2000, pp.275-280. (Accepted for publication in Linux Journal – <http://versionweb.sourceforge.net>)
- Silva, E.A.; Fortes, R.P.M. “Web Structure Metrics: an analysis using Machine Learning systems” – In: ASSE’2001 (*Second Argentine Symposium on Software Engineering*) 30th Argentine Conference on Computer Science and Operational Research (JAIIO 2001). *Proceedings*. Buenos Aires, Argentina, setembro 2001. p. 61-72 (Disponível em <http://www.ing.unlpam.edu.ar/jaiio2001/>)
- Pimentel, M.G.C.; Santos Jr. J.B; Fortes, R.P.M. “Supporting structured multimedia documents in the World Wide Web” *JUCS - Journal of Universal Computer Science*, Springer-Verlag. v.4, n.11, p. 825-838, 1998.
- Fortes, R.P.M.; Nicoletti, M.C. “A Family of Link Based Metrics for the Evaluation of Web Documents” *SIGLINK Bulletin*, v.6, n. 3, p.21-23, October 1997
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- Fortes, R.P.M.; Nicoletti, M.C.; Neto, A. “A Formal Approach to Consistency and Reuse of Links in World-Wide Web Applications” In: PALANQUE,P.; PATERNÓ,F. (eds) *Formal Methods in Human-Computer Interaction* London, Springer, 1997. Cap. 4, p. 75-92.
- Fortes, R.P.M.; Nicoletti, M.C. “Automatic Diagnosis of Hyperdocuments Using a Family of Quantifiable Metrics” In: SoST’99 (Symposium on Software Technology) *Proceedings* Buenos Aires - Argentina, September 1999, p.62-71.
- Fortes, R.P.M.; Nicoletti, M.C. “LiOS: a tool for supporting evaluation in the WWW” *Hypertextes et Hypermédias*, v.1, n. 2-4, p.77-85, 1997 / Actes de la 4e Conférence Internationale Hypertextes et Hypermédias, Paris, 1997/