

Resume

PEDRO RODRIGO CASTRO DA SILVEIRA

929, Winter ST NE – Minneapolis, MN 55413

Date of birth: 03/20/1983

e-mail: pedrorc.silveira@gmail.com

Highlights of Qualifications

- Experienced in Web development, databases, distributed systems, and with the materials computation package Quantum Espresso (www.quantum-espresso.org)
- Good understanding of performance issues in distributed processing
- Excellent communication and collaboration skill.
- Native Portuguese, Fluent in English, : reading and speaking skills in Spanish

Education

BSc in Computer Science, 2004, Universidade de Santo Amaro – São Paulo

English language course - 4 years and half.

CNA – Centro Cultural Norte Americano de idiomas.

Participation in Research Projects

- 1) Software implementation using Standard Cryptography, one semester.
- 2) Software implementation using Quantum Cryptography (basic concepts and implementation), one semester.
- 3) Materials Simulations in Distributed Systems. Four months.

Undergraduate project:

Performance Analysis on Distributed Database System running on Real Application Cluster (Oracle 9i).

Employment History

2005 – Present: **University of Minnesota, Minneapolis Campus** – Vlab (www.vlab.msi.umn.edu) Project: Web Service development using Java and C and Web programming with Java Server Pages technologies for Web interaction of visualization tools and database diagram implementation.

2001 – 2005: **L&H Tecnologia em Informática** - www.lh.com.br, São Paulo, Brazil. Main duties: Database development in Oracle 8 & 9, PostgreSQL, and Sybase. Member of development team of an Interactive Voice Response system.

2000 – 2001: **10emtudo** – www.10emtudo.com.br, São Paulo, Brazil. Main duties: Web development. Development of mathematical content.

Other Courses

Performance and Tuning - Configuring Adaptive Server Enterprise 12.5. 40 hours. Sybase Education Services in Brazil

Introduction to programming. Universidade de São Paulo (USP)

Introduction to Java programming language. Universidade de São Paulo (USP)

Participation in Professional Development Projects

- 1) OCX component in Visual Basic 6 for PostgreSQL database connection.
- 2) Procedure to perform data summarization for call-center performance analysis and management reports using Oracle 9i and Datawarehouse Business Object.
- 3) Development of a C interface that manages connections to Sybase Database Server under Linux OS.
- 4) Development of functions on Postgresql using languages plpgsql, sql and C under Linux OS.