

Gustavo Cordeiro Galvão van Erven

Curriculum Vitae

Personal information

Birthday: 29/04/1979

Nationality: Brazilian

E-mail: gvanerven@gmail.com

Academic Information

- Master degree in Computer Science about NoSQL Graph Databases – 2015
- Physics undergraduate - Universidade de Brasília – 2006

Academic Production

- 1 - ERVEN, G. C. G. V. HOLANDA, M. CARVALHO, R. N. RALHA, C. G. **Graph Database: A Case Study for Detecting Fraud in acquisition of Brazilian Government.** In: CIST - Conferência Ibérica de Sistemas e Tecnologias de Informação, 2017, Lisboa. 12a Conferência Ibérica de Sistemas e Tecnologias de Informação, 2017. v. 12. p. 53-53.
- 2 - Van Erven, Gustavo C. G. Holanda, Maristela. Carvalho, Rommel N. **Detecting Evidence of Fraud in the Brazilian Government Using Graph Databases.** Advances in Intelligent Systems and Computing. 1ed.: Springer International Publishing, 2017, v. 570, p. 464-473.
- 3 - Fernandes, Eduardo. Carvalho, Rommel. Holanda, Maristela. Van Erven, Gustavo. **Educational Data Mining: Discovery Standards of Academic Performance by Students in Public High Schools in the Federal District of Brazil.** Advances in Intelligent Systems and Computing. 1ed.: Springer International Publishing, 2017, v. p. 287-296.
- 4 - DOURADO, ALOISIO Carvalho, Rommel N. Van Erven, Gustavo C. G. **Brazil's Bolsa Familia and young adult workers: A parallel RDD approach to large datasets.** In: 2017 International Joint Conference on Neural Networks (IJCNN), 2017, Anchorage. 2017 International Joint Conference on Neural Networks (IJCNN), 2017. p. 17.
- 5 - G. C. G. V. Erven. **MDG-NoSQL: Modelo de Dados para Bancos NoSQL Baseados Em Grafos.** Dissertação de Mestrado – Universidade de Brasília, 2015.
- 6 - G. C. G. V. Erven, R. N. Carvalho, M. Holanda, M. Ladeira, H. Rocha, G. Mendes. **“Who is their mother?”: A classification work to get answers over registration people databases.** ENIAC, 2014. Disponível em: <http://www.lbd.dcc.ufmg.br/colecoes/eniac/2014/0069.pdf>

Professional Experience

FROM 05/2007 – BRAZILIAN OFFICE OF THE COMPTROLLER GENERAL

COMPTROLLER AND FINANCIAL ANALYST – IT SPECIALIZATION

- Data analysis and mining for fraud detection and improve public spends
- Database modeling and implementation (Graph NoSQL and Relational, DW)
- SAN and NAS administration
- Web development and database modeling for open data project (<http://www.portaldatransparencia.gov.br/>)
- Business technology prospecting
- Network server management and support (Linux and Windows)

From 02/2017 – UNIVERSITY OF BRASÍLIA

- Software Engineering – First and Second Semesters of 2017
- Data Structure – First Semester of 2017
- Programming Languages – Second Semester of 2017

From 09/2005 until 05/2007 – BRAZILIAN Public Prosecutor's Office

IT technician

- Java developer
- IT user support

From 06/2005 until 08/2005 – BRB Card

Business Intelligence Trainee

- Report production with SQL and Business Object tools to support marketing area.

From 08/2004 until 12/2004 - Department of Computer Science at UnB

IT Trainee

- Java, PL/pgSQL developer and PostgreSQL administrator.

From 02/2004 until 05/2004 - Department of Cell Biology/Institute of Biology at UnB

IT Freelancer

- OpenMosix cluster installation and configuration with 15 nodes.

From 09/2002 until 04/2003 - CEFTRU at UnB

IT manager/Developer

- Management a development team for regional web application in PHP, MySQL and PostgreSQL;

From 07/2001 until 01/2002 - Eletronorte

IT analyst

- Database modeling for community claims near from hydropower building area.

From 01/1999 until 05/2001 - CEFTRU at UnB

IT support

- LAN design, configuration and management;
- Network server management.

From 05/2000 until 12/2000 - Objetivo High School

IT support and developer

- User support and Java developer

From 08/1999 until 01/2000 - ZAZ (Terra) Internet Provider

IT support

- User support for Internet services

**From 06/1998 until 01/1999 - Faculty of Agronomy and Veterinary
*System administrator and IT support***

- Linux system administrator of few network servers
- User support