Curriculum Vitæ

1. **Personal Info**
   - Surname — Hoff
   - First Names — Marnes Augusto
   - Nationality — Brazilian
   - Date of Birth — 9th July 1976
   - Current Location — Porto Alegre – Rio Grande do Sul (RS) – Brazil (BR)
   - Gender — Male
   - Webpage — `http://www.nyx.net/~mhoff`

2. **Academic Formation**

   - (2002-2005) Master in Computer Science (510 hours)
     - UFRGS – Universidade Federal do Rio Grande do Sul (Federal University of Rio Grande do Sul), Porto Alegre, RS, Brazil
     - Advisor: Prof. Dr. Paulo Fernando Blauth Menezes
     - Thesis grade: A
     - Thesis title: Grafos Internos e Multirrelações como "Spans" – Propriedades e Composicionalidade (Internal Graphs and Multirelations as Spans – Properties and Compositionality)
     - (3/2002-2/2004) Scholarship from CNPq – Conselho Nacional de Desenvolvimento Científico e Tecnológico (National Counsel of Technological and Scientific Development), Brazil
     - Examining Committee:
       · Prof. Dr. Antônio Carlos da Rocha Costa
       · Prof. Dr. Alfio Ricardo de Brito Martini
       · Prof. Dr. Laira Vieira Toscani
   - (1995-1999) Bachelor in Informatics (3045 hours)
     - PUCRS – Pontifícia Universidade Católica do Rio Grande do Sul (Pontifical Catholic University of Rio Grande do Sul), Porto Alegre, RS, Brazil
     - Overall score average: 8.658 (max 10)

3. **Complementary Formation**

   - (july/2003) International Winter School on Semantics and Applications (56 hours)
     - Centre International de Mathèmatiques Pures et Appliquées, CIMPA (France), Montevideo, Uruguay
   - (1998-2003) additional classes in Baccalaureate in Computer Science (2820 hours of 3240)
     - UFRGS, Porto Alegre, RS, Brazil
   - (1996-1997) additional classes in Baccalaureate in Pure Mathematics (870 hours of 2160)
     - UFRGS, Porto Alegre, RS, Brazil

4. **Work**

   - (07/2006-02/2007) CNPq scholarship at Conexum (`http://www.conexum.com.br`)

- (2001) FAPERGS scholarship at UFRGS (6 months)
- (2000-2001) Participation on a FACIN/PUCRS (`http://www.inf.pucrs.br`) and Digitel (`http://www.digitel.com.br`) partnership (12 months)
- (2002-2007) Sporadic substitute teacher: Discrete Mathematics, Basic Category Theory, Formal Languages and Automata, and Theory of Computation, UFRGS
- (1999-2007) Sporadic private math teacher for high school and undergraduate students

5. **Didactic Activity**

During the Master Course, I did "Didactic Activity" twice. Consists of preparing classes and teaching undergraduate students under the supervision of the Teacher. It is mandatory (once) to who has Master scholarship from CNPq.

- 2002/1 - Basic Category Theory to Computer Science
- 2004/1 - Discrete Mathematics to Computer Science and Computer Engineering

6. **Student Representation**

- (2003) Graduate student representative on INT (Departament of Theoretical Informatics), UFRGS
- (2000-2003) Collaborator of DACOMP (Academic Center of Computer Science and Computer Engineering), UFRGS

7. **Areas of Interest**

- Category Theory
- (Co)Algebraic Structures
- Discrete Mathematics
- Formal Logic
- Formal Languages
- Automata Theory
- Combinatorics
- Programming (Haskell, C, C++)

8. **Skills**

- Computer Languages: Haskell, C, C++, Pascal, Java (beginner)
- Operational Systems: Linux
- Other: LaTeX, HP48, MPI (beginner)

9. **Languages**

	read and write	conversation
Brazilian Portuguese	native	native
English	fluent	intermediate
German	beginner	beginner
French	beginner	beginner
Spanish	beginner	beginner
Russian	beginner	beginner

10. **Awards**

- (1998) first place group at local PUCRS programming contest

11. **Publications**

- Complete Papers on Journals
  - ROGGIA, Karina Girardi; MENEZES, P. F. Blauth; HOFF, Marnes Augusto. Bicompleteness in the Category of Partial Graphs with Total Homomorphisms. Eletronic Journal of Mathematics of Computation, Recife, Brazil, v. 2, n. 1, 2005.
  - HOFF, Marnes Augusto; ROGGIA, Karina Girardi; MENEZES, P. F. Blauth. Composition of Tranformations: a Framework of Systems with Dynamic Topology. International Journal of Computing Anticipatory Systems, Liège, v. 14, p. 259-270, 2004.
- Complete Papers on Conference Proceedings
  - ROGGIA, Karina Girardi; HOFF, Marnes Augusto; MENEZES, P. F. Blauth. Computation of Partial Automata through Span Composition. In: EURO-CAST'2005: 10th International Conference on Computer Aided Systems Theory and Technology, 2005, Las Palmas de Gran Canaria. Lecture Notes in Computer Science. Berlin, Springer-Verlag, 2005. v. 3643. p. 15-20.
  - HOFF, Marnes Augusto; SILVA, Mauro Borges; COSTA, C. M. MVX: Uma Ferramenta para Vizualização de Programas Multithread. In: Conferência Latino Americana de Informática - CLEI99, 1999, Assunção. Anais do CLEI, 1999. v. 1. p. 1-12.
- Short Papers on Conference Proceedings
  - HOFF, Marnes Augusto; ROGGIA, Karina Girardi; MENEZES, P. F. Blauth. Composition of Tranformations: a Framework of Systems with Dynamic Topology. In: CASYS'2003: 6th International Conference on Computing Anticipatory Systems, 2003, Liège. Computing Anticipatory Systems: abstract book. Liège, CHAOS asbl, 2003. v. 1. p. 10-10.
- Other Publications
  - ROGGIA, Karina Girardi; HOFF, Marnes Augusto; MENEZES, P. F. Blauth. Computation of Partial Automata through Span Composition. In: EURO-CAST'2005: 10th International Conference on Computer Aided Systems Theory, 2005, Las Palmas de Gran Canaria. Cast and Tools for Robotics, Vehicular and Communication Systems, 2005. p. 5-6.
  - HOFF, Marnes Augusto. Estudo sobre grafos internos e relações no contexto categorial. (Study about internal graphs and relations in categorical context). Individual Project. Porto Alegre: Programa de Pós-graduação em Computação - UFRGS, 2002.
  - HOFF, Marnes Augusto; SILVA, Mauro Borges. MVX: Uma Ferramenta para Visualização de Programas Multithread. (MVX: A tool for viewing multithread programs). Graduation Project. Porto Alegre: PUCRS, 1998.

12. **Other Works**

- Participation on the revision process of the book Matemática Discreta para Computação e Informática (Discrete Mathematics for Computing and Informatics), written by Paulo Blauth Menezes and published by Sagra Luzzatto, Porto Alegre, 2004