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EDUCATION

1991-1999 **Ph.D in Computer Science**
Graduate School and University Center, CUNY, New York, New York

1983- 1988 **Bachelor of Science in Computer Engineering**
University of Puerto Rico, Mayagüez Campus, Mayagüez, P.R.

WORK EXPERIENCE

- 2007- Present **Special Presidential Assistant for Diversity and Multicultural Education**
Hampshire College, Amherst MA
- 1999- present **Associate Professor of Computer Science**
Hampshire College, School of Cognitive Science, Amherst, MA
- Spring 2007 **Interim Associate Dean of Multicultural Education**
Hampshire College, Amherst MA.
- Summer 2001 **Visiting Instructor**
Brandeis University School of Continuing Studies, Waltham , MA
 - Teaching two graduate sections of a course in Perl Programming, both at the Brandeis campus and at an EMC site.
- Sept 1997- May 1998 **Substitute Instructor**
City College of New York, Department of Computer Science, New York , NY
 - Teaching courses in programming languages and data structure
- Sept 1993- May 1997 **Graduate Fellow**
Graduate School and University Center , CUNY, New York, NY
 - Performing installation, maintenance, and training of a Unix-based research computer laboratory.
- 1988-1991 **Process Support Engineer**
Abbott Chemicals Inc., Barceloneta, P.R.
 - Designing, implementing, testing, giving maintenance, and training personnel in the use of computerized production lines.

PEER-REVIEWED PUBLICATIONS

Evolution of NN for the Design of Virtual Agents under Limited Resources Constraints
Proceedings of the 2007 International Joint Conference on Neural Networks.

The Digital Divide

Chapter in *The Handbook of Information Security*, published by John Wiley & Sons, 2005.

The Digital Divide

Chapter in *The Internet Encyclopedia*, published by John Wiley & Sons, 2004.

Evolution of Hierarchical Neural Networks for Time-dependent Cognitive Processes: Key Recognition for Musical Compositions

Proceeding of the 2003 Congress on Evolutionary Computation.

Disruption Analysis for Neural Network Topology Evolution Systems

Proceedings of the International Conference on Neural Information Processing, 2002.

Genetic evolution of neural networks that remember

Proceedings of the Joint International Conference on Neural Networks, 2002.

Genetic Algorithms and the Evolution of Neural Networks for Language Processing

CELE-Twente Workshop on Language Technology, 2000.

A New Metric for Evaluating Genetic Optimization of Neural Networks.

Proceedings of the First IEEE Symposium on Combinations of Evolutionary Computation and Neural Networks, 2000.

Genetic Evolution of Sensors and Topology for a Neurally Controlled Robot.

Workshop Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)

Exploring the Relationship Between Neural Network Topology and Optimal Training Set by Means of Genetic Algorithms.

Proceedings of the International Conference on Neural Networks and Genetic Algorithms, 1999

Genetic Optimization of NN Topologies for the Task of Natural Language Processing.

International Joint Conference on Neural Networks, 1999

PRESENTATIONS

Why do we need to close the digital divide?

Presented at the 2000 Annual meeting of the Puerto Rican Studies Association.

Optimizing initial neural network configurations for the task of natural language processing.

Presented at the 1998 AAAI/SIGART Doctoral Consortium, Madison Wisconsin. Also presented as a poster at the AAAI Fifteenth National Conference on Artificial Intelligence.

Neural network pruning and topology for natural language processing.

Presented as a poster at the 11th Annual CUNY Conference on Human Sentence Processing, 1998.

PEDAGOGICAL WORKSHOPS

2008 **Qualifying Seminar for Administration and interpretation of Intercultural Development Inventory**

Intercultural Communication Institute, Minneapolis, MN

2002 **STEMTEC Fellow**

NSF funded project investigating the scholarship and practice of teaching.

2002 **Case Studies in Science Summer Workshop**

Investigating Ways to Design and Deploy Student-centered Courses.

2001, 2002 **Participant, SENCER Summer Institute**

NSF funded institute on science education for new civic engagements and responsibilities.

REVIEWING

Summer **Intelligent System Design and Applications**

2006 Peer review of papers for Artificial Intelligence Conference.

CCSCE 2006

Spring 2006 Peer review of papers for the Annual Meeting of the Consortium for Computer Science in Colleges, Estearn Conference.

September **National Science Foundation Panel**

2005 Reviewing Grant Proposals to the Information and Intelligent Systems Text Program.

National Science Foundation Panel

July 2005 Reviewing Grant Proposals to the Information and Intelligent Systems Advance Learning Technologies Program.

April 2005 **BioSystems Journal.**

Peer Review of Paper.

2003 **The Internet Encyclopedia.**

Peer review of two chapter submissions.

AWARDS

1998-1999 **Five Colleges/Mendenhall Fellowship**

Awarded to minority doctoral candidates in the final stage of completing their degrees.

- Stanton Heiskell Center Fellow**
1994-1998 Researching ways in which technology can be used to enhance education of at-risk high school students.
- Belle Zeller Fellow**
1996 Annual recognition of student involvement in community service.

VOLUNTEER ACTIVITIES

- 2008-2009 **Board of Trustees, The Common School**
An Innovative, Child-Centered School for Children Ages 3-12
Amherst, MA
- 2000-2005 **Board Member, Latino Scholarship Association**
Providing college scholarships to deserving students of color in the Pioneer Valley.
- 1995-1998 **Student Member, Computer Science Department Executive Committee, Graduate School and University Center, CUNY.**
- 1995-1997 **DSC (Doctoral Student Council) member**
The DSC is the student Government Body of CUNY's Graduate Center.
- 1995-1996 **Board Member, Center for Puerto Rican Studies Community Advisory Board, Hunter College, CUNY.**
- 1995 **Boston → New York AIDS ride**
Raising funds to support AIDS community groups serving New York City.
- 1993-1995 **Coordinator, AELLA (Association of Latino and Latin American Student)**
- 1994-1995 **Member, Strategic Planning Committee, Graduate School and University Center**
This committee was assembled by the President of the Graduate Center, and had a its mandate to make recommendations that would guide all decision-making processes at the Graduate Center.

REFERENCES

Available upon request