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Jesús Ubaldo Quevedo-Torrero

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Education

Ph. D. Computer Science, December 2004

University of Houston, Houston TX

Dissertation: Improving Web Retrieval by Mining the HTML Tags for Keywords and Exploring the Hyperlink Structures of Web Pages

Adviser: Dr Stephen Huang, Chairman of the Computer Science Department

M.S. Computer Science, January 1995

State University of New York, Binghamton, NY

M.Ed. Educational Administration, December 2008

University of St. Thomas, Houston, TX

B.S. Computer Engineering, January 1990

Universidad Autónoma de Guadalajara, Guadalajara, México

State Teaching Licenses

TEXAS:

Mathematics, English as a Second Language, Bilingual Education, Elementary Self Contained, Special Education, Principal, PDAS

ILLINOIS:

Mathematics, Computer Science, Computer Applications, Elementary teaching, Bilingual Education, Principal

WISCONSIN:

Bilingual Education, Elementary teaching, Mathematics

College Work Experience

2006-present

Assistant Professor - Computer Science Department

University of Wisconsin – Parkside, Kenosha, WI

Taught a variety of graduate and undergraduate courses including: Files and Databases, Artificial Intelligence, Advanced Databases, Computational Models, Compiler Design, Programming Languages, Computer Vision, Introduction to Programming, and Computer Science Seminar. Undergraduate Advisor.

2006

Visiting Professor - Computer Science Department

University of Applied Sciences at Wolfenbüttel, Wolfenbüttel, Germany

Taught an undergraduate course in XML structures design using Logic Programming.

2005-2006

Visiting Assistant Professor - Computer Science Department

University of Wisconsin – Parkside, Kenosha, WI

Taught a variety of graduate and undergraduate courses including: Files and Databases, Artificial Intelligence, Advanced Databases, Computational Models, Compiler Design, Programming Languages, and Introduction to Programming.

2001-2005

Lecturer - Computer Science Department

University of Houston, Houston, TX

Taught a variety of undergraduate courses including: Database, Artificial Intelligence, C Programming, and Introduction to Computer Science.

2000-2005

Adjunct Professor - Computer Science Department

Universidad Autónoma de Guadalajara, Guadalajara, México

Taught a variety of graduate courses including: Database Design Systems, Artificial Intelligence, Advanced Databases, and Research Seminar. Supervised graduate thesis.

- 2000 **Lecturer** – College of Technology
University of Houston, Houston, TX
Taught an undergraduate course: Computers and Technology
- 1998-1999 **Research Assistant** – Computer Science Department
University of Houston, Houston, TX
Image compression, interpolating wavelets/ filter design, DAF's
- 1995-1996 **Adjunct Professor** - Computer Science Department
Monterrey Institute of Technology (ITESM), Guadalajara, México
Taught a variety of undergraduate courses including: Introduction to Computer Science, Assembly Language, Structured Programming, and Peripheral Devices.
- 1994-1997 **Professor** - Computer Science Department
Universidad Autónoma de Guadalajara, Guadalajara, México
Taught a variety of graduate and undergraduate courses including: Database Design Systems, Artificial Intelligence, Computer Graphics, Structured Programming, Advanced Databases, Vector Calculus, and Differential Equations. Supervised undergraduate thesis.
- 1993-1994 **Research Assistant** – Computer Science Department
SUNY-Binghamton/ IBM-Endicott, Binghamton, NY
Research on Interactive multimedia video-conferencing
- 1989-1993 **Professor** - Mathematics Department
Universidad Autónoma de Guadalajara, Guadalajara, México
Taught a variety of undergraduate courses including: Linear Algebra, Vector Calculus, Differential Equations, Differential and Integral Calculus, Probability and Statistics, Numerical Methods.

K-12 Teaching Experience

- 2004-2005 **Mathematics Teacher** – Bellaire High School
Houston Independent School District, Houston, TX
Taught Algebra I and II courses. Participated in Dual Language program implementation.
- 2003-2004 **Department Chairperson** – Harvard Elementary
Houston Independent School District, Houston, TX
Campus Special Education coordinator, trainer, resource bilingual teacher taught classes for students from K to 5th grade
- 2003 **Instructional Technology Specialist** –E. A. Jones Elementary
Fort Bend Independent School District, Sugar Land, TX
Campus Network administrator, teacher trainer, web master, trouble-shoot hardware and software problems, lab manager, technology budget administrator
- 1999-2002 **Resource Teacher** – V. I. Grissom Elementary
Houston Independent School District, Houston, TX
Taught bilingual special education classes for students from K to 5th grade
- 1997-1999 **Bilingual Teacher** – V. I. Grissom Elementary
Houston Independent School District, Houston, TX
Taught second and fourth grade bilingual self-contained elementary school classes

Publications

- Quevedo, J., U. *Decidability and Constructivism. International Conference on Information Technology 2009, IEEE Computer Society. April 2009.*
- Quevedo, J., U. *Learning Theories in Computer Science Education. International Conference on Information Technology 2009, IEEE Computer Society. April 2009.*
- Quevedo, J.U. and Erickson, G. *XML Watermarking Methods. CIC 2008: 17th International Conference on Computing. December 2008.*
- Quevedo, J., U., and Rodriguez, A.,D.,. *Goal Oriented Templates to Dynamically Assess Knowledge. International Conference on Information Technology 2007, IEEE Computer Society. April 2007.*

Huang, S., Quevedo, J., U., Molina, C., H., and Fonseca, M., F. Similarity among Web Pages using their hyperlink structure. *International Conference on Information Technology 2004*, IEEE Computer Society. April 2004.

Quevedo, J., U., and Huang, S., H., S.,: Similarity Among Web pages Based on their Link Structure, *Proceedings of the International Conference on Information and Knowledge Engineering. IKE'03*, June 23- 26, 2003, Las Vegas, Nevada, USA, Volume 1. CSREA Press 2003, ISBN 1-932415-07-6 pp. 232-238

Quevedo, J., U., Covarrubias, A., G., and Huang, S., *Improving Retrieval by Querying and Examining Prestige. Proceedings of the 11th International World Wide Web conference*, Honolulu, Hawaii, May 7-11 2002.

Quevedo, J., U., Covarrubias, A., G., and Huang, S., *Querying and Ranking Web Documents with Prestige. Proceedings of the International Conference on Information and Knowledge Engineering (IKE'02)*, Las Vegas, Nevada, June 24-27 2002, pp. 443-446.

Quevedo, J., U., Huang, S., and Hagedorn, G., R., *RH2: A Framework to Transform Relations into Hypertext. Proceedings of the International Conference on Internet Computing (IC'02)*, Las Vegas, Nevada, June 24-27 2002, pp. 471-476.

Quevedo, J., U., Huang, S., and Vargas, M., L., *TAKER: Improving Retrieval by Exploring Tag-Keyword Relationships. Proceedings of the International Conference on Information and Knowledge Engineering (IKE'02)*, Las Vegas, Nevada, June 24-27 2002, pp. 476-481.

Ocegueda, V., C., Quevedo, J., U., Larios, M., Loaiza, J., M., Gonzalez, C., P., and Huang, S., H., *A Complete Referral-Intervention Identification System for Special Education. Proceedings of the 5th International Conference Computers and Advanced Technology in Education*, Cancun, Mexico, May 20-22, 2002.

Cuevas, C., G., Quevedo, J., U., and Huang, S., H., *Network Security & Data Protection Analysis. Proceedings of the 3rd. International Network Conference (INC 2002)*, Plymouth, UK, July 16-18, 2002.

Navarro, J., Orantes, R., and Quevedo, J. U., "A parallel Implementation for improving web querying Performance", *XV National Congress and I International Congress on Informatics and Computation CNCIIC-ANIEI 2002*, Guadalajara, Mexico, October 23-25, 2002.

Rodriguez, H., I., Salcedo, G., and Quevedo, J.U. , "Asclepius Telehome Care System", *XV National Congress and I International Congress on Informatics and Computation CNCIIC-ANIEI 2002*, Guadalajara, Mexico, October 23-25, 2002.

Quevedo, J., U., and Huang, S., H., S., *WebLQM: A Web Community Examiner. Proceedings of the 10th International World Wide Web conference*, Hong Kong, May 1-5 2001.

Kakadiaris, I., A., Quevedo, J., U., Shi, Z., and Kouri, D., J., *New class of interpolating wavelets. Proceedings of SPIE Vol. 3979 (Medical Imaging 2000)*, pp. 145, San Diego, California, February 12-17, 2000.

Quevedo, J., U., Kakadiaris, I., Shi, Z., Kouri, D., J., "A new class of interpolating wavelets," *IEEE the First Joint Meeting of BMES and EMBS*, pp.954, Atlanta, GA, Oct. 13-16, 1999.

Shi, Z., Wang, H., Kouri, D., J., Gunaratne, G., H., Quevedo, J., U., Kakadiaris, I., A., Hoffman, D., K., "Perceptual mammogram solution using a class of smooth wavelets," *IEEE the First Joint Meeting of BMES and EMBS*, pp.982 (1160), Atlanta, GA, Oct. 13-16, 1999.

Quevedo, J., U., *A survey for Electric Conductivity and Communication Cables. An undergraduate Thesis-project, Universidad Autónoma de Guadalajara*, April 15, 1992.

Languages

Professional memberships

Awards

English and Spanish

IEEE Computer Society

ACM

- National Council for Science and Technology of Mexico (CONACYT) Fellowship (1997-2002)
- 2001 Finalist for Departmental Computer Science Award at Univ. of Houston
- LASPAU-FULBRIGHT fellowship (1993-1995)
- Special Education Teacher of the Year, Houston ISD-(2000)
- LASPAU-Harvard University fellowship "Diversity Seminar" (1994)
- School of Science UAG-México Teaching Excellence award (1996 and 1997)

Other training

Graduate courses in Bilingual Education, 1998-2003
University of St. Thomas, Houston, TX

Graduate courses in Mathematics, Engineering, and Education, 1989-1997
Universidad Autónoma de Guadalajara, México

ESL intensive training, 1993
University of North Texas, Denton, TX

ESL intensive training, 1992
Houston Community College, Houston, TX

Students advised

Ana Gabriela Covarrubias Sánchez
Master of Science / Computer Science
Universidad Autónoma de Guadalajara, México
2001-2002 : Thesis advisor / President of Thesis committee

Carlos Guillermo Cuevas Hernández
Master of Science / Computer Science
Universidad Autónoma de Guadalajara, México
2001-2002 : Thesis advisor / President of Thesis committee

Vladimir Cuahtemoc Ocegueda Hernández
Master of Science / Computer Science
Universidad Autónoma de Guadalajara, México
2001-2002 : Thesis advisor / President of Thesis committee

Invited Talks

Universidad Autónoma Metropolitana, México City, México, August 2007.
Research Skills

General Electric, Querétaro, México, March & May 2005.
Research Skills

General Electric, Querétaro, México, August & September 2004.
Database Management Systems

Universidad Autónoma de Chiapas- México, March 2003.
Database Management Systems

Oaxaca Institute of Technology, México, June 2002 & January 2003.
Database Management Systems & Artificial Intelligence

Los Mochis Institute of Technology, México, July 1997
Database Management Systems & Artificial Intelligence