

Résumé

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1 Personal data

Names: Marte Alejandro

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Birthday: 30 – June – 1980

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2 Education

- **2007** Ph. Student, Freie Universität auf Berlin, Germany. Thesis “An intelligent system for read document”.
- **2003** Bachelor of Computer Science at the School of Mathematics, University of Guanajuato, Mexico. Ranked first in the class of 2003. Thesis: "Shortest paths in networks and the Postman Chinese problem" (in Spanish).

3 Professional experience

- **2003 -2005** Researcher in the Center for Mathematical Research (Centro de Investigación en Matemáticas). Guanajuato, México.
 - Intelligent blackboard program. August 2005 – October 2005.
 - Adaptation of data in a model hydrologic. May 2004 – June 2005.
 - Interpolation in cartographic maps with splines surface. January – -March 2003.
- **2001 – 2003** Data Base developer in the University of Guanajuato. Guanajuato, México.
 - A tracking graduate student´s data base. July 2002 - December 2003.
 - A graduate student´s data base. September 2001 - June 2002.

4 Teaching experience

- **2004 - 2006** Teacher in the High School System of Campeche´s State. Campeche, México.
 - “*Mathematical Olympiads, number theory and combinatoric*”. 40Hrs. August 2006.

- “*Mathematical Olympiads*”. 40 hrs. September 2005.
- “*Development of educational software*”. 40 hrs. August 2005.
- “*Recreational mathematic II*”. 40Hrs. March 2005.
- “*Recreational mathematic*”. 40Hrs. August 2004.
- **2001 – 2002** Assistant professor in Mathematics School of the University of Guanajuato.
 - “*Computation and algorithms*”. February - June 2002.
 - “*Introduction to computer science*”. August – December 2001.

Publication

Books

- **2006**
 - “*Los Dilemas de Karel*”. Primera edición publicada, Mayo de 2006. Editorial CIMAT-CONCyTEG (Consejo de Ciencia y Tecnología del Estado de Guanajuato).

Refereed papers in Journals and Conferences

- **2006**
 - “*New Robust Binarization Approach in Letters*”. Autores: Marte Ramírez, Marco Block, Ernesto Tapia y Raúl Rojas. CONCIBE 2006. Organizado por la Universidad Autónoma de Guadalajara del 25- al 29 de Septiembre. Folio 2006032.

Technical reports

- **2007**
 - Reportes técnico: “*SITT – A Simple Robust Scaleinvariant Text Feature Detector*”. Marco Block, Marte Ramírez, Alexander Seibert, Jan Kretzschmar, Raúl Rojas. Freie Universität Berlin.
 - Reportes técnico: “*Adaptive Textzeilensegmentierung zur Lösung des Vice Versa-Problems*”. Marco Block, Marte Ramírez, Manuel Seibeneicher, Raúl Rojas. Freie Universität Berlin.

Awards

- **2005**
 - Mexico's National Council for Science and Technology award to conduct PhD studies in Germany.
- **2003**
 - Winner of University of Guanajuato Prize as best student 2002-2003 in Computer Science Bachelor Studies. November. Guanajuato, México.
 - Honoric mention in The 2003 ACM-ICPC World Finals. March.
 - Sixth place in the world contest Java Challenge. March.
- **2002**
 - Winner of University of Guanajuato Prize as best student 2001-2002 in Computer Science Bachelor Studies. November. Guanajuato, México.

- Second place in the Regional ACM Contest Mexico and Central America. October, Querétaro, México.
- **2001**
 - 7th place in the Regional ACM Contest Mexico and Central America. October, Querétaro, México.
- **2000**
 - 9th place in the Regional ACM Contest Mexico and Central America. October, Querétaro, México.
- **1998**
 - Winner of “Diego Bricio” scholarship of Center for Mathematical Research as best new student. Guanajuato, México.
- **1997**
 - Second place in the “XI Mexican Mathematical Olympiads Contest”. November, Monterrey, México.
- **1996**
 - Third place in the “X Mexican Mathematical Olympiads Contest”. November, Mérida, México.
 - Winner of “Merito Juvenil Prize” of Campeche's State.
- **1995**
 - Second place in the “IX Mexican Mathematical Olympiads Contest”. November, Colima, México.

Awards as coach

- **2005**
 - X Mexican Informatics Olympiads Contest. Four students, 1 gold medal and 3 silver medals.
- **2004**
 - IX Mexican Informatics Olympiads Contest. Four students, 4 gold medals.
- **2003**
 - VIII Mexican Informatics Olympiads Contest. Four students, 1 gold medal, 1 silver medal, 2 bronze medals.
 - XVII Mexican Mathematical Olympiads Contest. Six students, 1 bronze medal.
- **2002**
 - VII Mexican Informatics Olympiads Contest. Seven students, 2 silver medal, 4 bronze medals.
- **2001**
 - XV Mexican Mathematical Olympiads Contest. Six students, 1 bronze medal.
- **2000**
 - XIV Mexican Mathematical Olympiads Contest. Three students, 1 gold medal.
- **1999**
 - XIII Mexican Mathematical Olympiads Contest. Four students, 1 silver medal, 1 bronze medal.