

JAVIER SARDIÑAS

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WORK EXPERIENCE

CURRENT	NEURALOG <i>Software Engineer</i> Technologies: C++, MFC, Boost Designed and implemented an OCR library using OpenCV and Tesseract to extract text from well log documents. Designed and implemented a spelling corrector for OCR-derived errors. Improved line detection in well logs using OpenCV and Hugh Transform. Fixed volumetric calculation for map digitizing systems. Implemented printer driver utilities.
2016-2017	INTERACTIVE TEL <i>Software Engineer</i> Technologies: CSharp, Asp.net, Razor, SQL, Azure Designed and developed internal applications and solutions for the Support team.
2013-2015	UNIVERSIDAD DE ORIENTE <i>Assistant Professor</i> Lectured Algebra, Topology, Algorithm Design and Analysis, Competitive Programming.
2010-2013	DATYS <i>Research Assistant</i> Technologies: C++, Boost, MPI Designed and implemented text-processing libraries, charset recognition and conversion algorithms. Designed and implemented a text tokenizer for written natural language. Designed and implemented algorithms for computing Betweenness Centrality on large scale graphs. Designed and implemented algorithms based on k-cliques to detect community structures on large scale graphs.

EDUCATION

2005-2010	Bachelor of COMPUTER SCIENCE, Universidad de Oriente, GPA:5.57/5.0 Senior Thesis: Gröbner Representations of Linear Codes.
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AWARDS

2015	103th place at ACM-ICPC World Finals Marrakech 2015.
2014	1st place at ACM-ICPC Caribbean Regionals, qualified for World Finals. 86th place at ACM-ICPC World Finals Ekaterinburg 2014.
2013	2nd place in ACM-ICPC Caribbean Regionals, qualified for World Finals.
2012	6nd place in ACM-ICPC Caribbean Regionals.
2011	5nd place in ACM-ICPC Caribbean Regionals.
2009	31st place in ACM-ICPC Mexico and Central America Regionals. Bronze Medal in Latin American Collegiate Mathematics Olympiad.
2004	Silver medal in Cuban Mathematics National Contest.
2003	Gold medal in Cuban Mathematics National Contest.
2002	Bronze medal in Cuban Mathematics National Contest.
2001	Silver medal in Cuban Mathematics National Contest.
2000	Silver medal in Cuban Mathematics National Contest.