Daniel Díaz Casanueva

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Skills - Programming languages

- * Expert: Haskell, HTML, CSS, LATEX.
- * Experienced: Prolog, C, SQL, Pascal.

- Development platforms and tools

- * Platforms: Windows, Linux and Mac OS X.
- * Tools: Git, Vim, Microsoft Office, Adobe Photoshop, Corel Draw, GIMP.
- Languages: Fluent English and Spanish.

Released projects

- HaTeX: Domain Specific Language (DSL) of L^AT_EX, written in Haskell.
 It includes many combinators and techniques to generate well-formed L^AT_EX code.
- DTC: DTC (Data To Class) is a theoretical library which transforms systematically data declarations to class definitions.
- Clipboard: Simple library for Windows users of Haskell that want to manage their system clipboard.

RECENT PROJECTS

- matrix: A highly efficient library for matrix computations, written in Haskell.
- wavy: Sound library, written in Haskell. It includes methods for audio encoding, decoding, synthesis and manipulation. Algorithmically built to be efficient.

ACHIEVEMENTS

- Co-writer of the Haskell Communities and Activities Report (HCAR) from the nineteenth (November 2010) to the twenty-third edition (November 2012).
- Assistant editor (November 2012 to now). Topology textbook written by Frédéric Mynard and Szymon Dolecki.
- Layout editor (October 2012 to now). The Southern Praxis, Georgia Southern University newsletter.
- International Student Exchange Program (ISEP) academic merit scholarship (May 2012).
- Filakada Leadership Convention, Organizer (August 2010, January 2011, August 2011). Two days event where more than 2000 people enhanced their social and leadership skills.

EDUCATION

- Bachelor in Mathematics

Universidad de Málaga

Expected date of graduation: July, 2014.

- Bachelor of Science in Mathematics

Georgia Southern University ISEP exchange student 2012/2013.

Work experience

- Tutor in Mathematics (September 2007 to now).
 - * Assist high school students to improve their mathematical skills.

- * Prepare graduate students for the GRE test.
- * Teach Mathematics to college undergraduate students.
- Audio mastering engineer and Music composer. Freelance (August 2004 to now).
 - * Mix and enhance music quality for the audience.
 - * Compose instrumental tracks for different groups.
 - * Perform as a DJ in concerts.
 - * Editor in a Georgia Southern University radio show.
- Graphic Designer. Lumitel (October 2007 to July 2008).
 - * Design illustrations using Corel Draw and Adobe Photoshop.
 - * Communicate with clients through phone conversations and in person meetings to assure customer satisfaction.
 - * Typesetting, proof reading and color adjustment of images.
 - * Use of full color digital printer and copier.
 - * Manual crafting of cartels.

References

- Dr. José Enrique Gallardo Ruiz

Associate Professor

Department of Programming Languages and Sciences

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- Dr. Francisco Javier Martín Reyes

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