

DANIEL DÍAZ CASANUEVA

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<http://daniel-diaz.github.com>

- 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 \LaTeX , written in Haskell. It includes many combinators and techniques to generate well-formed \LaTeX 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.
 - **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**
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