



Sara Garcia

Designer

Sara Garcia is a designer and researcher passionate about computational approaches. Her work includes interaction design, industrial design, and graphic design. Recently she has been researching and developing generative systems tailored for design and customization. She holds a Master in Product Design and a PhD in Design.

Birth 11.11.1986

Hometown Lisbon, Portugal

Contact

Location Lisbon, Portugal

Email saraflgarcia@gmail.com

Webpage <http://saraflgarcia.github.io>

Social Networks  /saraflgarcia  /saragarcia  /profile/Sara_Garcia

Education

PhD in Design 2011 – 2018
Faculty of Architecture, University of Lisbon
Thesis Title: *A Computational Study on Form: a Grammar-based Tool for Multipurpose Chair Design*

MSc in Product Design 2009 – 2010
Faculty of Architecture, University of Lisbon
Dissertation Title: *CAD Technologies in Product Design: from the Idea to its Materialization*

BSc in Design 2004 – 2009
Faculty of Architecture, University of Lisbon

Research

Junior Researcher 2010 – 2013
Faculty of Architecture, University of Lisbon
Project: *Naadir: A New Approach on Architectural Drawings Integrating Computer Descriptions*
<http://naadir.fa.ulisboa.pt>

PhD Researcher 2011 – 2018
Faculty of Architecture, University of Lisbon; CIAUD; Design and Computation Group
Project: *ChairDNA: a Grammar-based Tool for Multipurpose Chair Design*
<http://chairdna.wordpress.com>

Researcher 2019 – 2021
Instituto de Engenharia de Sistemas e Computadores, Investigação e Desenvolvimento em Lisboa
Project: *Khepri - Algorithmic Design, Analysis and Optimization*
<http://algorithmicdesign.github.io>

Scientific Committee 2016
Scientific Committee of "Linha do Horizonte" nº5: Eyesight Cartographies (IN PRESS)
Faculty of Architecture, University of Lisbon

Awards
Best Presentation Award – Runner Up, 2020
Issued by Association for Computer-Aided Architectural Design Research in Asia

Research Scholarship, 2010-2012
Issued by Foundation for Science and Technology (FCT), Portugal

PhD Scholarship, 2012-2016
Issued by Foundation for Science and Technology (FCT), Portugal

Teaching

Graduate Teaching Assistant 2014 - 2015
Faculty of Architecture, University of Lisbon
Class: Digital Representation Systems in Architecture

Design <http://www.coroflot.com/saragarcia>

Industrial/ Product
CorkLamp table lamp, *Quiosque* kiosk, *Wave* cutlery set, *Almorariz* mortar, *4Drawer* blender set, *Intense* easy chair, *Oz* lamp set, *Metamorphosis* high-speed train interior

Graphic
Naadir branding, *ChairDNA* editorial design, *CAADIRA* logo

Software/Interaction
Naadir web design (<http://naadir.fa.ulisboa.pt>), *Ellipsoidal Perspective* application (<http://formas-formulas.fc.ul.pt>), *ChairDNA* design tool (<http://chairdna.wordpress.com>)

Awards
CAADRIA Logo Design Competition – Runner-up, 2020
Issued by Association for Computer-Aided Architectural Design Research in Asia

ICEL/FA Design Competition – Honorable Mention, 2008
Issued by ICEL and Faculty of Architecture of the University of Lisbon (FA/UL)

Skills

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| Languages | Portuguese (native), English (fluent), Spanish (elementary), French (elementary) |
| Language Certificates | First Certificate in English (FCE), 2004 University of Cambridge ESOL Examinations |
| Programming Languages | Julia (good), Racket (good), LISP (medium), HTML/CSS (medium), Java (basics), BASIC (basics) |
| 2D Drawing Software | Photoshop, Illustrator, InDesign |
| 3D Modelling Software | AutoCAD, Rhinoceros, SketchUp, Grasshopper |