



## Sara Garcia

### Designer & Researcher

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, *Quisque* 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)

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## Skills

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