**Website**

**http://saraflgarcia.github.io**

**Contents**

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| **Top Menu** |  | **Name** | **Description** |
|  |  | **Header** | SARA GARCIA Design & Computation  [Header Photo.png] |
| **ABOUT** |  | **Photo** | [saragarcia.jpg] |
|  |  | **Bio** | **Sara Garcia** is a designer 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.  *“To me, design is not about the end product, but a problem-solving process that occurs whether you are creating a chair, a program, a song, or a recipe.”* |
|  |  | **CV** | **Curriculum** [SGarcia\_CV.pdf] |
|  |  | **Networks** | Linkedin [http://pt.linkedin.com/in/saraflgarcia]  Coroflot [http://www.coroflot.com/saragarcia]  Research Gate [http://www.researchgate.net/profile/Sara\_Garcia]  Facebook [http://www.facebook.com/saraflgarcia]  Pinterest [http://www.pinterest.pt/saraflgarcia] |
| **DESIGN** | **INTERACTION** | **Naadir Website** | *Naadir website* promotes the dissemination of the Naadir research project. It includes news, project description, a short bio of researchers, consultants, and partners, publications, and contacts. The layout of the site is clean and minimalistic. The website was developed through the Joomla platform, using PHP, HTML, and CSS languages.  **Project:** *Naadir*web design  **Client:** Naadir research project  **Year:** 2010  **Design:** Sara Garcia  **Website**: http://naadir.fa.ulisboa.pt |
|  |  | **Ellipsoidal Perspective** | *Ellipsoidal Perspective* is an interactive application that represents the Lisbon’s Mãe d’Água reservoir in a new extended perspective system, which unifies linear, cylindrical, and spherical perspectives. This work is part of the Naadir research project and was exposed at the Formas & Fórmulas exhibition, held at the MUHNAC museum in 2012-2016.  **Project**: *Ellipsoidal Perspective* application  **Client:** Naadir research project, *Formas & Fórmulas* exhibition  **Year**: 2012  **Design**: Diogo Costa, Sara Garcia  **Website**: http://formas-formulas.fc.ul.pt |
|  |  | **ChairDNA** | *ChairDNA* is a chair design tool that allows users to explore a wide diversity of chair types, restricted to adequate anthropometric standards. Chairs can be generated from scratch by adding or deleting chair components and editing their dimensions and positions. Users can also import iconic designs from a library and produce random chairs.  **Project:** *ChairDNA* design tool  **Research project:** ChairDNA PhD project  **Years:** 2014 (version 1.1),2017 (version 1.2), 2020 (version 1.3)  **Design:** Sara Garcia  **Website**: http://chairdna.wordpress.com |
|  | **INDUSTRIAL** | **CorkLamp** | *CorkLamp* is a table lamp that follows sustainable design principles, by reusing local material waste. It is composed of a sanded acrylic cylinder and a cork disk with an opening where the lamp holder fits. Its extremely simple materials, manufacturing processes, and aesthetics make it an affordable and environmentally friendly design.  **Project**: *CorkLamp* table lamp  **Year**: 2005  **Client**: FA/UL  **Design**: Sara Garcia  **State**: manufactured |
|  |  | **Quiosque** | *Quiosque* is a prefabricated kiosk with 132m2. It was designed for University’s information services and security office, following an inclusive approach. The kiosk has a cylindrical shape surrounded by two exterior passageways, which lead to the sliding door and service window. The project includes a service desk, a brochure holder, and office chairs.  **Project**: *Quiosque* kiosk & equipment  **Year**: 2007  **Client**: FA/UL  **Design**: Sara Garcia |
|  |  | **Wave** | *Wave* is a cutlery set designed for the Portuguese company ICEL. Knives are made of a stainless steel blade and a proflex handle with a bright color and elegant curvilinear lines. The cutlery set includes a 12-piece knife set, a knife block, a knife bag, and a chopping board. The packaging explains in a simple way how each knife should be used.  **Project**: *Wave* cutlery set  **Year**: 2008  **Client**: ICEL, FA/UL (contest)  **Design**: Sara Garcia  **State**: Concept  **Award**: Honorable mention in *Concurso ICEL/FA* |
|  |  | **Almofariz** | *Almofariz* is a mortar made of cast aluminum and injection molded polypropylene. The funnel shape of the mortar and the matching shape of the pestle keeps the ingredients together while they are being crushed, leading to a uniform result. The motto of this project was Donald Norman’s behavioral level of design.  **Project**: *Almofariz* mortar  **Year**: 2008  **Client**: FA/UL  **Design**: Sara Garcia  **State**: Concept |
|  |  | **4Drawer** | *4Drawer* is a 4-in-1 hand blender set. It includes a grip made of polypropylene and chromed ABS and 4 cables: blender, beater, dough hook, and whisk. This blender was designed to have the smallest size possible, so it can be stored in any kitchen drawer and save storage space. The product and packaging were designed for Kenwood.  **Project**: *4Drawer* blender set  **Year**: 2009  **Client**: FA/UL  **Design**: Sara Garcia  **State**: Concept |
|  |  | **Intense** | *Intense* is an easy chair with a bended plywood frame and a molded fiber glass shell. It joins functionality and simplicity with extravagance and luxury. The rational use of materials evidences their aesthetic properties, such as the chromatic variations of the plywood. The shell is available in traditional matte purple and Bordeaux colors.  **Project**: *Intense* easy chair  **Year**: 2009  **Client**: FA/UL  **Design**: Maria Gutierrez, Patrícia Ferreira, Sara Garcia  **State**: Prototype |
|  |  | **Oz** | *Oz* is a lamp set intended for lobbies of emblematic buildings. It is available in 3 sizes, suiting different room heights. The lamps are made of a bended aluminum sheet with laser cut openings inspired in Portuguese tilling patterns. Its unique light projection creates an atmosphere of fantasy. This project participated in Climar Concept Hall 2009.  **Project**: *Oz* lamp collection  **Year**: 2009  **Client**: CLIMAR Concept Hall 2009  **Design**: Ana Rodrigues, Liliana Teixeira, Patrícia Couto, Patrícia Ferreira, Sara Garcia  **State**: concept |
|  |  | **Metamorphosis** | *Metamorphosis* is a high-speed train interior that is adjustable to different groups of passengers. Book your journey and the one of the people that travel with you – and seats will move along tracks to put everyone together. People no longer need to adapt to space – space adapts to people. This project participated in Alstom AGV Design Challenge Portugal  2009.  **Project**: *Metamorphosis* train interior  **Year**: 2009  **Client**: Alstom AGV Design Challenge Portugal  **Design**: Luísa Leitão, Patrícia Ferreira, Sara Garcia  **State**: Concept |
|  |  | **Triciclo** | **Project**: tricycle  **Year**: 2008  **Design**: Sara Garcia  **Materials**: plywood and PVC  **State**: prototype |
|  | **GRAPHIC** | **Naadir Branding** | *Naadir branding* is the corporate identity of the Naadir research project. It includes the logo, business cards, envelope and letter templates. The overall image was indented to be minimalistic, clean, and achromatic. The logo’s symbol is made of overlapping cubes in different ellipsoidal perspectives, while the font is round and simple.  **Project**: *Naadir* branding  **Year**: 2010  **Client**: Naadir research project  **Design**: Sara Garcia |
|  |  | **ChairDNA Editorial** | *ChairDNA Editorial* addresses the design of the PhD thesis produced within the ChairDNA research project. The editorial design includes the page layout, infographics design, and a custom CD holder embedded in the document. Beyond the thesis, the design also included a CD cover. The minimalistic design relies on tons of grey and bright red.  **Project**: *ChairDNA Editorial* design  **Year**: 2018  **Client**: ChairDNA research project  **Design**: Sara Garcia  **Website**: http://chairdna.wordpress.com |
|  |  | **CAADIRA Logo** | *CAADRIA* logo was designed for the CAADRIA 2020 conference. It reflects the conference topics (design and computation) and its geographic identity (Asia). The lettering and the graphic elements were conceived from a computational process. This project received the runner-up award of CAADRIA 2020 Logo design competition.  **Project**: *CAADRIA* logo  **Year**: 2020  **Client**: CAADRIA Logo Competition  **Design**: Sara Garcia  **Award**: Runner-up |
| **RESEARCH** |  | **Naadir** | *Naadir* is a research project that proposes a new extended perspective system, which gathers linear, spherical, and cylindrical perspectives. The objective is to provide computational perspective drawings with some of the flexibility inherent of hand-made design sketches. This work was carried out by a multidisciplinary team of researchers.  **Projcect:** *Naadir* research project  **Years**: 2010-2013  **Centers**: FA/UL, FC/UL  **Funding**: FCT (PTDC/AUR-AQI/098388/2008)  **Website**: http://naadir.fa.ulisboa.pt |
|  |  | **ChairDNA** | *ChairDNA* was a PhD research project that aimed to develop a model for creating computational systems that generate several design types within a product class. The model includes a sample, an ontology, a grammar-based system, and a digital design tool. It was tested with the chair product class and evaluated by design students and practitioners.  **Project**: *ChairDNA* research project  **Years**: 2011-2018  **Center**: CIAUD, FA/UL  **Group**: DCG  **Funding**: FCT (SFRH/BD/77927/2011)  **Website**: http://chairdna.wordpress.com |
|  |  | **Khepri** | *Khepri* is a research project whose main goal is to develop methods and tools for the integration of algorithmic modeling, visualization, analysis, and optimization of designs. This way, it potentiates the exploration and search of better-performing solutions, contributing to reduce the economic and environmental impact of architectural designs.  **Project**: *Khepri* research project  **Years**: 2019-2021  **Center:** INESC-ID  **Group:** ADA  **Funding:** FCT (PTDC/ART-DAQ/31061/2017)  **Website:** http://algorithmicdesign.github.io |
|  |  | **Publications** | **Publications** [SGarcia\_Publications.pdf] |
|  |  | **Networks** | Research Gate [http://www.researchgate.net/profile/Sara\_Garcia]  ORCID [http://orcid.org/0000-0003-1373-9675]  Google Scholar [http://scholar.google.pt/citations?user=MNlZ6ZwAAAAJ&hl=pt-PT]  Academia [http://utl.academia.edu/SaraGarcia]  CIÊNVIA VITAE [http://www.cienciavitae.pt/B21A-EA50-1FFC]  Scopus [https//www.scopus.com/authid/detail.uri?authorId=57199484415] |
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**Hobbies:** travel,sport,detective novels

**Formatting**

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| **Order** |  | Chronologic |
| **Figures** | **Format** | PNG |
|  | **Color mode** | RGB |
|  | **Size** | 800x600px |
|  | **Resolution** | 72px/inch (except Metamorphosis3) |
|  | **Watermark** | In all pages |
|  | **Procedure** | 1) Illustrator: save to PDF (Save > output > destination > working RGB)  2) Photoshop: save to PNG |
|  | **Effects** | Website/document pages: Stylize > Drop Shadow > opacity 50% |
| **Descriptions** |  | 45-60 Words (10 lines of text) |