



Front-end & User eXperience Engineer

P O R T F O L I O



## Jesús García González

Front-end & User  
Experience Engineer

My focus is on requirements analysis, development of advanced graphical interfaces, and human-computer interaction.

Specialised as Scrum developer in multi-platform application with HTML5 (Angular.js - Node.js - Cordova) and Drupal and WordPress technologies.

Passionate about mobility, technological trends, omnipresent mobile systems and the Information architecture.



### Multi-platform Application Development

HTML5 Applications



HTML5



CSS3



JavaScript

Platform



PhoneGap

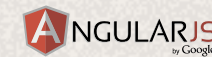
LAMP Systems



Drupal



WordPress



ANGULARJS



jQuery



NGINX mongoDB



php



MySQL



Less



Sass



compass



node.js



AJAX



### Human Computer Interaction - User Experience

- ▶ Prototype Pattern
- ▶ Design with Wireframes
- ▶ User Stories - Personas



Axure



Balsamiq  
Mockups



Flair  
Builder



MockFlow



### Graphic Design, Corporate Imaging and 3D



Photoshop



Illustrator



Indesign



Cinema 4D

# Dev



## Technology Development

- ▶ Agile analyst / programmer with over **20 projects**. Complete solutions from analysis and design to project implementation.
- ▶ Specialising in “**Front-End**” technologies, HTML5 and LAMP systems, as well as working with various platforms (Frameworks and CMS), especially Drupal and WordPress.
- ▶ **Cross Platform Mobile Application Development** based on HTML5 (with Node.js, Nginx and MongoDB) and PhoneGap.

## Tools and Technologies

- ▶ PhoneGap.
- ▶ Angular.js, Node.js and Nginx.
- ▶ LAMP systems.
- ▶ Amazon S3 - EC2.
- ▶ Git, SVN.



## HTML5 + CSS + JS in hybrid and multi-platform applications

Hybrid Mobile applications with multimedia support, lists, synchronisation in real time, maps, galleries, news, etc.



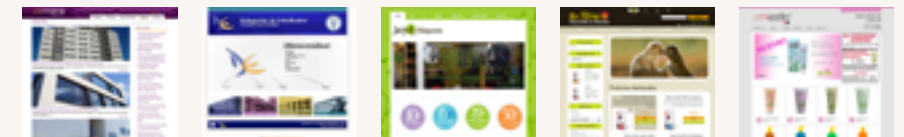
## Drupal

Development of modules and templates using Drupal API, Drush, Display Layouts, Context, Views, Features and Profiles.

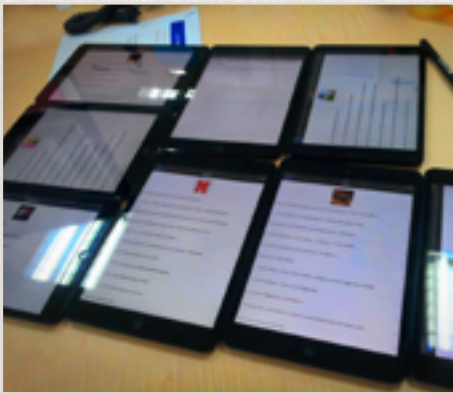


## WordPress / Prestashop

Development of complete sites with WordPress and Prestashop ecommerce.



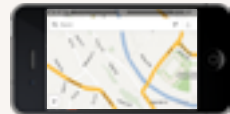




## iOS Native Applications



Developing native applications for iPhone and iPad exclusive, with complete integration.



## Applications and Plugins for Web Browsers

Developing extensions for Google Chrome and Firefox Add-ons on HTML5.



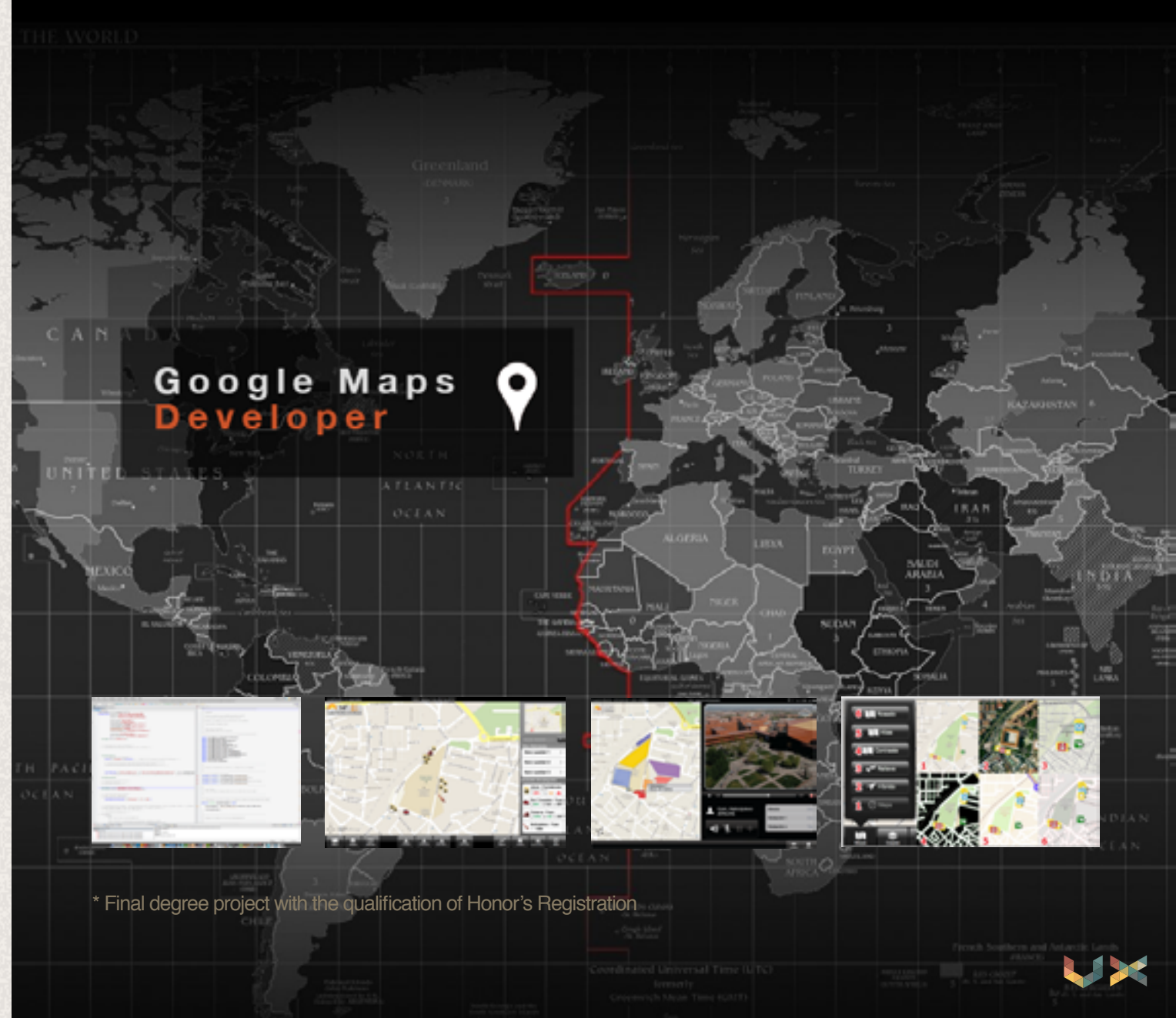
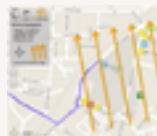
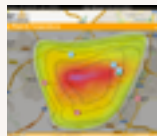
Chrome  
extensions



Firefox  
add-ons

## Research - Gesture Interaction

System management and support decision making for Fire Departments.  
Project research UC3M with Leap Motion\*.



\* Final degree project with the qualification of Honor's Registration



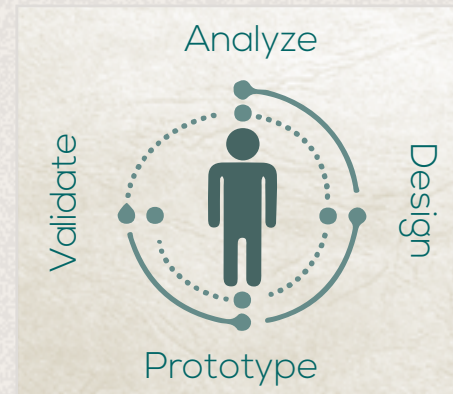
# UX

## User Experience

- ▶ **User Centered Design**, analysis, modeling and development of all applications interacting with end users.
- ▶ Methodology for **Modeling and Prototyping through Information Architecture**, and wireframing prototyped designs with mockups.
- ▶ Application of **adaptive designs** to display on all browsers and platforms (phones, tablets and desktop).

## Tools

- ▶ Axure, FlairBuilder, Balsamiq Mockups.
- ▶ Tools for interviews and Focus Groups.
- ▶ Responsive Design with @media-queries CSS.
- ▶ Color Patterns.



## Information Architecture

Prototyping model using Wireframes and Mockups, focusing on analysis, design and evaluation with users.



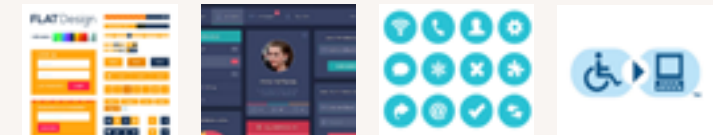
## Model Prototyping User Centered

Fast, modeled plan, construction of the prototype, development, delivery and feedback, communication and final delivery.



## User Experience and Accessibility

Design of applications focused on accessibility and usability to all users on various platforms.







# Adaptative Design



www.participa.es - Drupal



www.ctwhome.com - WordPress

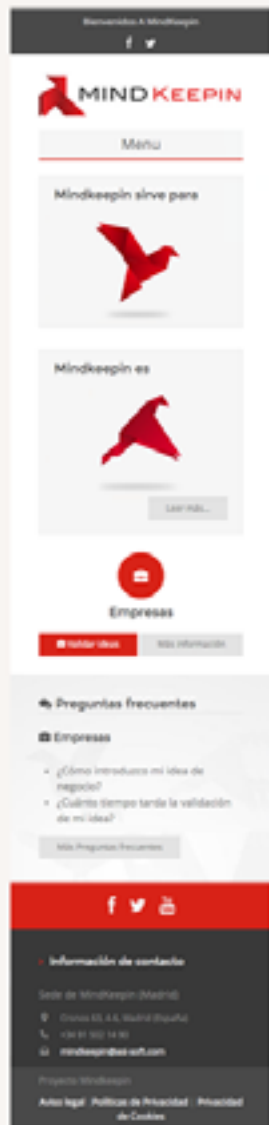





Website layout for desktop view. Header includes navigation links: Home, ¿Qué es MindKeepin?, Sobre, Noticias, Espacios MindKeepin, Contacto. Main content area features a large heading "¿Qué es MindKeepin?" followed by a subheading "MindKeepin sirve para" and "MindKeepin es". Below this are two columns of text and images, each with a red bird icon. A sidebar on the right contains a "Preguntas frecuentes" section. The footer includes logos for various organizations and a list of social media links.



Website layout for tablet view. The header and navigation links are visible. The main content area is adjusted for a wider aspect ratio, with the "¿Qué es MindKeepin?" section and the "MindKeepin sirve para" and "MindKeepin es" sections. The sidebar on the right is also visible, containing the "Preguntas frecuentes" section. The footer includes logos and social media links.



Website layout for mobile view. The header and navigation links are visible. The main content area is adjusted for a narrow aspect ratio, with the "¿Qué es MindKeepin?" section and the "MindKeepin sirve para" and "MindKeepin es" sections. The sidebar on the right is also visible, containing the "Preguntas frecuentes" section. The footer includes logos and social media links.



Website layout for desktop view. Header includes navigation links: Home, Sobre, Conferencias, Año 2013, Contacto. Main content area features a large heading "Social Spaces for Research and Innovation" followed by a subheading "The meeting point of Spanish cities". Below this are two columns of text and images, each with a red bird icon. A sidebar on the right contains a "Preguntas frecuentes" section. The footer includes logos for various organizations and a list of social media links.



Website layout for tablet view. The header and navigation links are visible. The main content area is adjusted for a wider aspect ratio, with the "Social Spaces for Research and Innovation" section and the "The meeting point of Spanish cities" section. The sidebar on the right is also visible, containing the "Preguntas frecuentes" section. The footer includes logos and social media links.



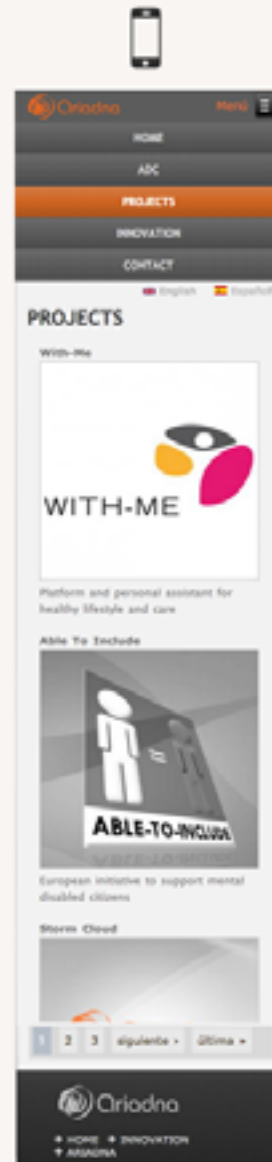
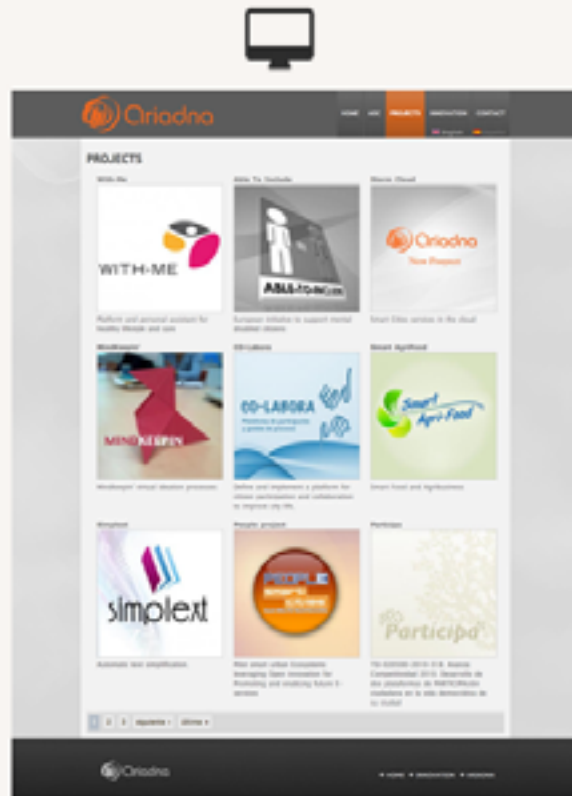
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www.mindkeepin.com - Drupal

www.espaciosociales.es - Drupal







# Design

## Graphic design, Corporate Imaging and 3D

- ▶ Defining styles, color studies, creation of graphics libraries and **3D design**.
- ▶ Studying color and shapes depending on the context and target audience, taking into account **usability** and corporate image.
- ▶ Creating the complete **corporate image** of a company or brand.



## Definition of Graphics Styles

Defining graphic styles and colors of the interface with respect to the corporate image.



## Corporate Identity

Creating the corporate image of a company, shaping their message through the design and presentation.



## Creating Templates

Native templates for Drupal, Wordpress, Joomla, Elgg and Prestashop, in addition to HTML and CSS.



## Herramientas

- ▶ Adobe Photoshop, Illustrator e InDesign.
- ▶ Maxon Cinema 4D



## Logos

Creating logo according to project needs, characteristics and corporate colors.



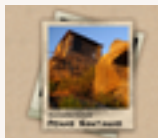
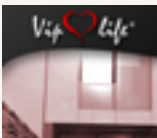
## Design and 3D Modeling

Working with 3D objects and models to emphasize the corporate image or to create scenarios.



## More Jobs

Please, visit my online portfolio to see all my work:  
[www.ctwhome.com](http://www.ctwhome.com)



Validación de ideas  
a tu alcance

Deja volar tus  
ideas



Poster design







## Jesús García González

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## Work Experience

- ▶ Programmer Analyst at Computer Services since 2012 Ariadna.
- ▶ Research assistant computer systems at Carlos III University 09/10.
- ▶ Teaching assistant, giving classes "Mobile First HTML5", course of the Masters in Mobile Application -International University of La Rioja since 2013.
- ▶ Freelance design of web applications since 2009.

## Education

- ▶ Computer Engineering at University Carlos III of Madrid - 2006/2011
- ▶ Master in Computer Science and Technology specialization in Distributed and Multimedia Systems at the same university - 2012/2013

## Miscellaneous

- ▶ Github: <https://github.com/ctwhome>
- ▶ Availability to travel.
- ▶ Drupal member. <https://drupal.org/user/2670189>
- ▶ Driving license.
- ▶ LinkedIn: <http://www.linkedin.com/pub/jesus-garcia-gonzalez>





# Creating a Technological World

