

PERSONAL INFORMATION

Pedro-Juan Ferrer Matoses



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Sex Male | Date of birth 14 Feb 1977

POSITION

Engineering

WORK EXPERIENCE

Jan 2010–Present

Project Manager

Omnium Strategic Intelligence SL

Team leader, Scrum master, responsible of R&D
also worked as data miner, DBA, web mapping developer

Responsibilities

- RIA Design and Analysis.
- Team leader and team coach using Agile methodologies.
- Web Mapping and Cartographic Consultancy.
- Client customized data mining solutions which includes Design, implementation and management.
- Geographic database design and implementation, Data Warehouse Design.
- Social network data mining.

Skills acquired

- Use of Decision Assistance Tools (Superdecisions).
- Scrum life cycle + Kanban.
- Project Management and Team Building skills.
- ETL/Report tools for data mining (Pentaho/Geokettle).
- Improvement of Postgres/Postgis skills.
- Web data location and automated extraction.

Feb 2006–Dec 2009

Cartographic Analyst

Empresa de transformación agraria SA (TRAGSA) c / Cronista Carreres 2, 46003 Valencia

In the Delegation of the Valencian Community, developing management tools for the project "Support for the detection and eradication of Rynchonphorus ferrugineus campaign in the Valencian Community" for the Department of Agriculture Fisheries and Food (Regional government).

Responsibilities

- GIS team Coordination.
- Redesign of the Information System database.
- Adaptation of several project tools to the Information System.
- Re-implementation of the Information System.
- Spatial analysis of data.
- Mapping Consultancy.
- Webmaster.

Skills acquired

- Teamwork Skills.
- Spatial analysis abilities.
- Python Programming.
- .Net for mobile devices Programming.
- Postgres databases administration.
- Postgis geographic databases administration.
- Dynamic websites creation using Django.

Mar 2005–Feb 2006

Cartographic Analyst

Empresa de transformación agraria SA (TRAGSA) c / Cronista Carreres 2, 46003 Valencia

In the Delegation of the Valencian Community, developing management tools for the "Technical Assistance for development of a GIS for irrigation modernization in the Valencian Community" for the Department of Agriculture Fisheries and Food (Regional government).

Responsibilities

- Redesign of the Information System database.
- Mapping digitization team coordination.
- Development of several application forms for the Information System queries.

Skills acquired

- Teamwork Skills.
- Databases design.
- VB.Net programming.

Jan 2005–Feb 2005

Cartographer

Estudio de geodesia (nowadays Geoconcept) c / Dr Lleonart 11 bajo, 46100 Burjassot

Elaborating the "Maps of episodes of the cold wave of 2005" for the Department of Agriculture Fisheries and Food (Regional government).

Responsibilities

Skills acquired

Jun 2004–Jul 2004

Analyst - Programmer

IVER SA, c / Lerida 20, 46009, Valencia

Software development, digitization and AutoCAD.

Responsibilities

- Digitizing PGOU (local government urban planification) for various municipalities.
- Digitization of historical cartography of the City of Valencia.
- Development of utilities for digitization with digitize-tablet and AutoCAD.

Skills acquired

- Improved digitization skills.
- AutoCAD software Objects Model programming.

Apr 2004–May 2004

Analyst - Programmer

Sistemas de información territorial SA (SITESA, nowadays EPTISA) C / Princesa 3, 7th Floor, 28008, Madrid

ArcGIS customization using Visual Basic for the "Technical Assistance to the City of Valencia Municipality"

Responsibilities

Skills acquired

- Improved the skills of object-oriented programming.
- Improved understanding of the ArcObjects software Objects Model.

Nov 2003–Apr 2004

Cartographic Analyst

Tecnologías y Servicios Agrarios S.A. (Tragsatec) c / Cronista Carreres 2, 46003 Valencia

In the Delegation of the Valencian Community, developing Mapping Consultancy for a Technical Assistance for Environmental Impact Studies for the Department of Land and Housing (Regional government).

Responsibilities

- Mapping Assistance for inspectors of the Department.
- Obtaining and cartographic processing information of archaeological data.
- Catalog, using metadata, PGOF (Regional government forestal planification) maps.

Skills acquired

- Improved database skills and SQL.
- Automation of Internet data collection and validation, processing into Geographic Information System.
- Validation of field data.
- Using metadata for data cataloging.

Jul 2003–Nov 2003

Cartographic Analyst

Tecnologías y Servicios Agrarios S.A. (Tragsatec) c / Cronista Carreres 2, 46003 Valencia

In the Delegation of the Valencian Community, developing base cartography for the "Campaign for citrus exports to the U.S. 2003 - 2004" for the Department of Agriculture Fisheries and Food (Regional government).

Responsibilities

- Preparation of cartography for field works.
- Preparation and maintenance of graphical outputs for field works.
- Mapping Assistance for field personal.
- Automation of the data extraction processes from the Geographic Information System database.

Skills acquired

Aug 2002–Nov 2002

Cartographic Analyst

Tecnologías y Servicios Agrarios S.A. (Tragsatec) c / Cronista Carreres 2, 46003 Valencia

In the Delegation of the Valencian Community, developing base cartography for the "Campaign for citrus exports to the U.S. 2002 - 2003" for the Department of Agriculture Fisheries and Food (Regional government).

Responsibilities

- Preparation of cartography for field works.
- Preparation and maintenance of graphical outputs for field works.
- Redesign of the project database.
- Automation of the data extraction processes Geographic Information System database.

Skills acquired

- Building and managing a map collection.
- VisualBasic Programming for automated ArcGIS task.
- Databases design and SQL.

Mar 2000–Dec 2000

Geographic Researcher

Navigation Technologies SL (Navteq / Navtech), Balmes 89-91 7E-4rt Offices, Barcelona

08008.

In the delegation of Seville, developing works involving the collection and preparation of cartographic sources for later inclusion in a digital database, maintaining the database, using GPS data collection in the field.

Responsibilities

- Support in field work of other senior GRs.
- Acquisition of cartographic information.
- Field data collection.

Skills acquired

- Teamwork Skills.
- Field campaigns organization support.
- GPS skills.
- Working with a Quality System (IQNet).

EDUCATION AND TRAINING

Sep 1999–Sep 2019

Engineer in Geodesy and Cartography, Cartography and GIS intensification.

Escuela Técnica Superior de Ingeniería Cartográfica Geodésica y Topográfica de la Universidad Politécnica de Valencia

The degree in Geodesy and Cartography Engineering gives training in using descriptive techniques for the understanding of the Earth surface and its gravitational field, also for graphical and digital representation of spatial data and and for the analysis of the data.

Its formation is specific in areas such as topography, geography, geophysics, geodesy, GPS and navigation, photogrammetry, cartography, remote sensing and Geographic Information Systems and territorial planning. It also deal with other areas such as ecology, environmental sciences and urban planning.

It also enables the planning, drafting and implementation of projects related to the above areas.

In February 2004 I presented the Final Degree conducted by D. Emilio Forcén Tárrega and D. Torrent Enrique Poveda, entitled "Mapping application using ArcMap for supporting inventories of agricultural plots. (Application to irrigated land plot inventory)."

Sep 1995–Sep 1999

Technical Engineering in Topography.

Escuela Técnica Superior de Ingeniería Cartográfica Geodésica y Topográfica de la Universidad Politécnica de Valencia

The degree in Survey Engineering gives training in in the use of traditional surveying techniques, geodesy, photogrammetry, Geographic Information Systems and territorial studies.

In September 1999 I presented the Final Degree conducted by of D. Emilio Forcén Tárrega, entitled "Oriented Technologies and Motion Paths in a GIS."

PERSONAL SKILLS

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills

OSGeo : OSGeo Spanish Local Chapter Member, the Open Source Geospatial Foundation, or OSGeo, is a not-for-profit organization whose mission is to support and promote the collaborative

development of open geospatial technologies and data; elected as Board of Directors Member of the Spanish Local Chapter for the 2008 - 2009 period.

geomaticblog.net : member of geomaticblog.net, a blog about cartographic / geographic / informatic knowledge

Digital skills

OS: Linux, Windows.

Computer Aided Design, GIS, Remote Sensing: Autocad, Microstation, ArcCad, ArcInfo 7, ArcGIS 9.x, ArcView 3.x, Geographics, gvSIG, Map Objects, PostGIS, Erdas, ERMapper 6.x.

Databases: ADO, MS Access, Crystal Reports, DAO, SQL Server, MySQL, Open Office, PostgreSQL.

Office software: LaTeX2e, Ms Office, Open Office.

Computer graphics: CSS, FreeHand, GIMP, Photoshop.

Programming Languages: HTML, Matlab, C, C + +, Java, PHP, Python,. NET, Django.

Driving licence

Class A: issuing date 13/09/2004
 Class B: issuing date 01/04/1998

ADDITIONAL INFORMATION

Publications