

PERSONAL INFORMATION

Angel Gimenez Garcia



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WORK EXPERIENCE

01/11/2019–Present

Postdoctoral Researcher - Ecosystem Services Modeler

BC3 - Basque Centre for Climate Change, Bilbao (Spain)

19/03/2018–05/06/2019

Software Engineer

Lantek

C++ and C# development of algorithms for the nesting of parts on metal sheets, with the aim of minimizing the use of material in the manufacturing process. It is a combinatorial problem that demands the use of heuristics, in order to reach good solutions within reasonable computational time.

Skills:

- C++, C#
- Software design and development
- Unit testing
- 2D-Geometry Algorithms

01/10/2017–19/03/2018

Computer programmer

Innovalia Group

Software development for the elaboration of quality-control reports in the field of industrial metrology.

Skills:

- C# and WPF
- Desktop application development
- Entity framework and database management
- Statistics

15/07/2017–01/10/2017

Computer programmer

University of Leuven

Development, from scratch, of an Android app that processes messages in the context of healthcare issues (e.g. appointment with a patient), and delivers a notification to the user with consideration to receiver-specific circumstances.

Skills:

- Context-aware algorithms
- Software design
- Java
- Android and Google APIs

01/10/2011–01/10/2015

Doctoral Researcher

University of Alicante

- Multispectral analysis of observations of high-mass X-ray binaries.
- Numerical simulations of the atmosphere of massive stars.
- Physical interpretation of astrophysical phenomena.

- 2 international research stays (6 months in the University of Potsdam, Germany; 2 months in the University of Monash, Australia).
- 7 publications in international peer reviewed journals.
- Oral contributions in scientific conferences.

Skills: data processing, data analysis, programming, applied physics, scientific writing, communication of results, writing proposals to the main X-ray telescopes, attendance to international meetings and conferences.

EDUCATION AND TRAINING

01/09/2015–01/07/2017 **Master's Degree Agro- and Ecosystems Engineering**
University of Leuven

The Master of Agro- and Ecosystems Engineering (ACE) provides in-depth knowledge of the functioning and management of natural and production-oriented ecosystems.

Major: INFORMATION. This major addresses earth observation and geo-data management technology, with in-depth courses covering both the technological aspects of this area and their applications in the field of terrestrial resources.

01/10/2011–01/10/2015 **Doctor of Philosophy (Ph.D.) in Astrophysics**
University of Alicante

Title: "High-mass X-ray binaries: X-raying the winds".

This thesis gives a comprehensive view of the high-mass X-rays binaries through the most complete survey performed in these type of sources up to this date (2015). It also gives, in the light of the observations and atmosphere's modeling, an innovative view of the subgroup known as Supergiant Fast X-ray Transients, which is one of the major focus of attention in the field because of the peculiar X-rays behavior of the sources. This thesis made important contributions towards their understanding.

01/09/2003–01/06/2010 **Bachelor of Science (BSc) in Mathematics**
University of Barcelona (UAB)

This BSc provides a very solid scientific base on the different mathematical branches. It gives capacities of analysis and abstraction that can be applied in many different real life contexts.

PERSONAL SKILLS

Mother tongue(s) Spanish

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Cambridge Certificate, Advanced (C1)					
French	A1	A1	A1	A1	A1
Dutch	A1	A1	A1	A1	A1
Catalan/Valencian	C1	C1	A2	A2	B1

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