



guzmánLópez

biology sciences graduate and IT analyst student

about

30 years
Male, Uruguayan
🏠 Montevideo,
Uruguay

contact

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languages

Spanish mother tongue
English elemental
proficiency

programming

♥ R language (6 yr)
JavaScript, HTML5 &
CSS (3 yr)

also:
SQL (2 yr)
ASP.Net with C# (< 1 yr)

OS

🐧 Linux (6 yr)

interests

professional: data analysis, programming, research, web app creation, big data, databases, spatial analysis, geographic information systems **personal:** friends, tango dancing (learn and teach), tango music, hiking, free software development, ocean, nature, wildlife, read

education

- 2015-Now **IT Analyst** ORT University – Faculty of Engineering, Montevideo
Courses until now:
Databases II (SQL syntax, queries, triggers) – studying
Programming III (ASP.Net with C#) – studying
Databases I (SQL syntax, queries, ERM) – 82/100 (partially approved, last exam)
Programming II (ASP.Net with C#) – 88/100 (partially approved, last exam)
Usability and Accessibility workshop (CSS) – 96/100 (totally approved)
Programming I (JS, HTML) – 100/100 (totally approved)
Computing Introduction – 86/100 (totally approved)
- 2004-2011 **Biology sciences graduate** University of the Republic – Faculty of Sciences, Montevideo
Specialization in Oceanography
Global mark: 9.44 1 to 12 (max)
Courses: 23 approved / 23 total
Exams: 26 approved / 24 total (+2 exonerated)
- 2003 **Bachelor** Pre-University Institute Juan XXIII, Montevideo
Specialization in Agronomy
Mark: 9 1 to 12 (max)
- 1998-2002 **High School Student** Pallotti High School, Montevideo
Specialization in Biology
Marks: 12 (1998) – 12 (1999) – 11 (2000) – 12 (2001) – 11 (2002) 1 to 12 (max)

experience

- 2014-Now **National Direction of Aquatic Resources (DINARA)** Montevideo, Uruguay
Hydroacoustic consultant
Acquisition, processing, visualization and analysis of scientific echosounder and sonar data.
- 2013 **Project: FREPLATA II (PNUD - GEF)** Montevideo, Uruguay
Oceanographic data management assistant
Organization, systematization and analysis of historical and new generated data relating to meteorological and oceanographic variables.
- 2010-2012 **Project: Fisheries Management in Uruguay (DINARA - FAO)** Montevideo, Uruguay
Hydroacoustic consultant specialist
Acquisition, processing, visualization and analysis of scientific echosounder and sonar data.

- 2009 **Subprojects: Whitemouth croaker and Argentine hake (FAO - Ricaldoni Foundation)**
Montevideo, Uruguay
Hydroacoustic technical support
Acquisition, processing, visualization and analysis of scientific echosounder data from Argentine hake and Whitemouth croaker fish abundance assessment surveys aboard research vessel "Aldebarán".
- 2008 **National Direction of Aquatic Resources (DINARA)** Montevideo, Uruguay
Hydroacoustic collaborator.
Help acquiring, processing and visualizing acoustic data from the research survey: "Assessment of the Hawkfish by means of hydroacoustic methods and classic swap area in the Uruguayan Exclusive Economic Zone (EEZ)", aboard the research vessel "Aldebarán".

research

- 2007-Now **Activities:**
+25 research reports
+15 research surveys aboard different vessels
13 complementary courses
7 communication instances (oral presentations and posters)
4 different teaching instances
3 peer-reviewed co-author articles
2 student research projects

complementary courses

most important

- 2014 **Introduction to databases analysis using R** University of the Republic - Course
Approved: without mark
- 2014 **Linux network administration** Linux Center - Course
Mark: 100/100
- 2011 **Introduction to R language programming** University of the Republic - Course
Approved: without mark
- 2009 **Effective publication of scientific information** UNESCO - Course
Approved: without mark

publications

most important

articles in peer-reviewed journals

Management and research on plastic debris in Uruguayan Aquatic Systems: update and perspectives

Juan Pablo Lozoya, Alvar Carranza, Javier Lenzi, Emanuel Machín, Franco Teixeira de Mello, Silvana González, Daniel Hernández, Gissell Lacerot, Gastón Martínez, Fabrizio Scarabino, José Sciandro, Gabriela Vélez-Rubio, Fernanda Burgues, Daniel Carrizo, Felipe Cedrés, Julio Chocca, Daniel de Álava, Sebastián Jiménez, Valentina Leoni, Pablo Limongi, Guzmán López, Yamilia Olivera, Mariana Pereira, Luis Rubio, Federico Weisntein

Revista de Gestão Costeira Integrada **15.3 (Aug. 2015) pp. 377–393. 2015**

Hydrodynamic and geomorphological controls on surface sedimentation at the Subtropical Shelf Front / Brazil–Malvinas Confluence transition off Uruguay (Southwestern Atlantic Continental Margin)

P. Franco-Fraguas, L. Burone, M. Mahiques, L. Ortega, C. Urien, A. Muñoz, G. López, Y. Marin, A. Carranza, N. Lahuerta, C. Mello

Marine Geology **349 (Mar. 2014) pp. 24–36. 2014**

Deep-water coral reefs from the Uruguayan outer shelf and slope

GRUPO MIGUEL OLIVER URUGUAY 0110, Alvar Carranza, Araceli Muñoz Recio, Marcelo Kitahara, Fabrizio Scarabino, Leonardo Ortega, Guzmán López, Paula Franco-Fraguas, Camila Mello, Juan Acosta, Antia Fontan

Marine Biodiversity **42.3 (Sept. 2012) pp. 411–414. 2012**

reports

Hydroacoustic assessment in Santa Lucía River (Uruguay).

Guzmán López, Gerardo Rodríguez, Diego Pagano, Juana Fernández, Leonardo Ortega

Research report, 2016

ER60 EK-60 SIMRAD echosounder's software guide.

Guzmán López

Software user guide, 2015

Interactive map of artisanal fishing zones and artisanal ports in Uruguay.

Guzmán López

Software user guide, 2015

Web application to extract, convert and visualize Tritech StarFish 990F Side Scan Sonar navigation.

Guzmán López

Software user guide, 2015

Hydroacoustic assessment in Noboa reservoir (Salto, Uruguay).

Guzmán López, Silvana González, Julio Chocca, Bernardo González, Rosanna Foti

Research report, 2015

Configuration and maintenance of the EK-60 SIMRAD echosounder's local network in the research vessel "Aldebarán".

Guzmán López, Gerardo Martínez

Technical report, 2015

Assessment of seismic prospection activity in the continental shelf of Uruguay.

Luis Rubio, Silvana González, Guzmán López, Claudio Berriolo, Sebastián Jiménez, Javier Lenzi, Andrés Domingo

Research report, 2015

"Ema" web application.

Guzmán López

Software user guide, 2013

Guidelines for an oceanographic database.

Guzmán López

Technical report, 2013

"MODIS" web application.

Guzmán López

Software user guide, 2013

"Pampero" web application.

Guzmán López

Software user guide, 2013