Marlon Pirchiner

eScience Research

EDUCATION

INFORMATION MODELING
M.Sc. Applied Math
2014 | Rio de Janeiro, RJ
Applied Math School - EMAp
Getúlio Vargas Foundation - FGV-RJ

EARTH SCIENCES
B.Sc. in Geophysics
2007 | São Paulo, SP
University of São Paulo - USP
Institute of Astronomy, Geophysics
and Climate Sciences - IAG

DATA PROCESSING
Technologist
1997 | Vitória, ES
Federal Education Institute - IFES

SKILLS

E-SCIENCE
Data Stewardship
Scientific Databases
Information Modeling
Artificial Intelligence
Advanced Machine Learning
Simulations and Complex Systems
Information Retrieval
Visualization

GEOPHYSICS
Computer Physics
Spatial and Quantitative Analysis
Geological Modeling
Spatial Databases
Seismology

TECHNOLOGY
Operating Systems
Computer Graphics
Databases
Programming
Unix Tools and Scripting

CONTACT

+55 11 997 098 623
m@pirchiner.co
http://pirchiner.co

EXPERIENCE

PIRCHINER.CO | Founder
2015 – Present | Research and Development | Worldwide

FUSP | R&D Consultant
Foundation University of São Paulo
2010 – 2015 | BRASIS Project, IAG-USP | São Paulo, SP
Supporting a seismic sensors network with information technology, data management and early-warning capabilities contributed on creation of the **Brazilian National Seismic Network - RSBR**, a multilateral seismicity monitoring and seismological research infrastructure.

UFRN | R&D Analyst
Federal Univ. of Rio Grande do Norte
2009 – 2010 | Exact and Earth Sciences Center - CCET | Natal, RN
Prototyping the **Northeastern Seismic Network - RSISNE** for the Seismological Laboratory on the Geophysics Department.

FAPESP | Data Manager
São Paulo State Foundation for Research Support
2007 – 2009 | Seismology Center, IAG-USP | São Paulo, SP
Caring on 20 years of seismological data as part of this technical fellowship.

SOCOPA | Information Systems Analyst
Paulista Broker Society
2004 – 2007 | São Paulo, SP
Product design and developing for financial information persistence, dissemination, interaction and trade on the stock market.

ABN-AMRO GROUP | Software Analyst
2001 – 2002 | São Paulo, SP
Checking Accounts and Agencies software analyst for real-time communications on z/OS and related platforms.

RESEARCH

STOCHASTIC MODELLING | Probabilistic Seismic Hazard
2014 – 2015 | IAG-USP | São Paulo, SP
Worked with **Stèphane Drouet** (former in National Observatory - ON), **Prof Marcelo Assumpção** and others to create **PSHAB**, a probabilistic seismic hazard model for Brazil.

DATA MANAGEMENT | Sensors Network
2010 – 2014 | IAG-USP | São Paulo, SP
Technology advisory on the development of the **Brazilian National Seismic Network - RSBR** and its regional nodes.

COMMUNICATION

2015	IUGG	PSHAB: Probabilistic Seismic Hazard Analysis for Brazil.
2014	IASPEI	Smoothed Brazilian Seismicity: application for seismic hazard.
2013	AGU	Zoneless and Mixture proposals for Brazilian seismic hazard.
2012	EGU	Seismological data life cycle on the Brazilian Seismic Network.
2010	EGU	BRASIS: Brazilian Integrated Seismic Network.
2010	AGU	IAGIS: open-source based spatial data infrastructure prototype.