

Marlon Pirchiner

eScience Researcher

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

Advanced Machine Learning

Artificial Intelligence

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



+61 04 7878 1279

m@pirchiner.co

http://pirchiner.co

EXPERIENCE

FOUNDER | PIRCHINER.CO

2015 – Present | Research and Development | Worldwide

Data and information sciences, predictive and visual analytics supporting smart decisions.

R&D CONSULTANT | FUSP

FOUNDATION UNIVERSITY OF SÃO PAULO (ACADEMIC)

2010 – 2015 | BRASIS Project, IAG-USP | São Paulo, SP

Supporting a sensors (seismic) network with information technology, data management and early-warning capacities. Contributing to the creation of the **Brazilian National Seismic Network - RSBR**, a multilateral seismicity monitoring and seismological research infrastructure.

R&D ANALYST | UFRN

FEDERAL UNIVERSITY OF RIO GRANDE DO NORTE (ACADEMIC)

2009 – 2010 | Exact and Earth Sciences Center - CCET | Natal, RN

Prototyping the **Northeastern Seismic Network - RSISNE** for the Seismological Laboratory on the Geophysics Department.

DATA MANAGER | FAPESP

SÃO PAULO STATE FOUNDATION FOR RESEARCH SUPPORT (ACADEMIC)

2007 – 2009 | Seismology Center, IAG-USP | São Paulo, SP

Caring on 20 years of seismological data as part of this technical fellowship.

INFORMATION SYSTEMS ANALYST | SOCOPA

PAULISTA BROKER SOCIETY (FINANCIAL)

2004 – 2007 | São Paulo, SP

Product design and developing for financial information persistence, dissemination, interaction and trade on the stock market.

SOFTWARE ANALYST | ABN-AMRO GROUP

ALGEMENE BANK NEDERLAND - AMSTERDAMSCH AND

ROTTERDAMSCH BANK (FINANCIAL)

2001 – 2002 | São Paulo, SP

System analyst developing real-time software for ATM and branches communications on IBM z/OS and related platforms.

RESEARCH

STOCHASTIC MODELLING | PROBABILISTIC SEISMIC HAZARD

2014 – 2015 | IAG-USP | São Paulo, SP

Development of a 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.

PUBLIC PRESENTATIONS

- | | | |
|------|--------|---|
| 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. |