

Gardenio Diogo Pimentel da Silva

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EDUCATION

MSc, Energy and Environmental Planning 2017-present
Universidade Federal do Rio de Janeiro (UFRJ), Brazil

MBA, Audit and Environmental Forensics 2016- April, 2017
Universidade Candido Mendes (UCAM), Brazil.

BSc, Environmental Engineering 2010-2015
Universidade do Estado do Pará (UEPA), Brazil

EDUCATION ABROAD

Exchange program sponsored by Science Without Borders Scholarship Program
University of Guelph, Canada (2013-2014- one year and four months)

GRADUATION ACCOMPLISHMENT

Certificate as the 3° best academic progress of the class
Universidade do Estado do Pará (academic score: 8.91)

RESEARCH EXPERIENCE

Research Project Intern: Investigation of pollutants (heavy metals, solids, and nutrients) from parking lot runoff. 2015-2016
CNPq/ Universidade do Estado do Pará, Belém, Brazil.

- Responsible for planning the project in all its phases.
- Collected background information on the subject and proposed additional procedures.
- Extracted samples from camp site, conducted laboratory analysis, and interpreted results.
- Wrote technical reports, and academic-scientific articles.

Assessment of Solar Energy Potential in Belém. 2014-2014
Independent research with professor Ph.D. José Marcelo Raiol Souza.

- Researched background information.
- Software analysis (through System Advisor Model) and interpretation of results.
- Wrote two articles about the subject (one published and one accepted to publication).

Mandatory Internship placement of Science Without Borders Program: Intern of research project. 2013-2013
University of Guelph/CNPq/CBIE, Guelph-Ontario.

- Pollutant analysis (heavy metals, Total Solids, and PAHs) from highway.
- Installed equipment to take samples from site.
- Evaluated the efficiency of the treatment Medias.
- Laboratory work.
- Researched background information.
- Analyzed results and reported through articles and other documents.

Intern of research project: Analysis of BTEX on the Belem's Waterfront. 2012-2012
FAPESPA/ Universidade do Estado do Pará.

- Responsible for planning the projects schedule.
- Collected samples from the camp site (water and sediments).
- Laboratory work such as ODB, DO, total Solids, and others.
- Interpretation of analytical data and write reports.

VOLUNTEER EXPERIENCE

Instituto Chico Mendes de Conservação da Biodiversidade (ICMBio). 2016-present
Apa Guapimirim e ESEC da Guanabara, Guapimirim, Brazil.

- Developed a folder about low environmental impacts techniques (septic tank, rainwater harvesting, and composting) and how to install them in the area (for low and middle income population).
- Wrote and reviewed documents and technical reports.
- Supervised projects inside the conservation area.

LANGUAGE

English- fluent

Portuguese: fluent.

French: basic.

ADDITIONAL COURSES

- Municipal Solid Waste Management in Developing Countries- Sandec/Eawag/Coursera
- Organic photovoltaic- University of Denmark / Coursera
- Guidelines for the preparation of a Simplified Solid Waste Integrated Management Plan – MMA, 20 hours
- Brazilian Water Policy- National Water Agency (ANA) - 20 hour
- Waters Governance in Latin America-ANA- 40 hours
- Quality of water in reservoirs - ANA- 40 hours.
- Planning, Water Management, and Watershed Management - ANA - 40 hours
- Territorial Management for Water Resources with open source code- ANA- 40 hours
- Monitoring Water Quality in Rivers and Reservoirs - ANA- 40 hours
- Charging for the use of water resources -ANA- 20 hours
- Grant the right to use water resources - ANA -20 hours
- Water and Forest: sustainable use in Caatinga- ANA- 10 hours