

# Odette Aragao

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## Education

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- **Colorado School of Mines** **Golden - USA**  
*PhD student in Geophysics, Jan 2018 – Present*
- **Federal University of Bahia - Brazil** **Salvador - Brazil**  
*MSc in Geophysics - Top 1, Mar 2015 – Feb 2017*
- **Federal University of Bahia - Brazil** **Salvador - Brazil**  
*BS in Geophysics - Top 1, Mar 2010 – Dec 2014*
- **Colorado School of Mines** **Golden - USA**  
*Geophysical Engineering, 1 year non-degree exchange program Jan 2013 – Dec 2013*

## Research Experience

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- **PhD Research (July 2015 - February 2017): 'Elastic wavefield tomography'**  
Working on elastic wavefield tomography with probabilistic petrophysical model constraints.
- **Masters Project (July 2015 - February 2017): 'Bayesian Inversion of Well Log Data'**  
Working on the prediction of accurate sonic well logs using Bayesian Inversion: application to data from Jequitinhonha Basin, Brazil
- **Undergraduate Project (April 2014 - December 2014): 'Enhancing geological features in gravity field data using fractional calculus and sunshading'**  
Working on gravity data processing, filtering, modeling and interpretation of interest zones for mining exploration.
- **Undergraduate Research (September 2011 - December 2012): 'Evaluation of the multi-frequency electromagnetic method in exploration and monitoring of oil reservoirs'**  
Working on data processing and interpretation and definition of interest zones using IP and resistivity sections.

## Work Experience

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- **Mineral Exploration Company of Bahia State** **Salvador - Brazil**  
*Internship June 2014 – November 2014*  
I was responsible for acquiring, processing, imaging and interpreting gravity data from Jaguaquara Prospect, which is located in the municipality of Jaguaquara, southwest of Bahia - Brazil.

- **Sigma<sup>3</sup> Integrated Reservoir Solutions**  
*Internship*

**Denver - USA**  
*May 2013 – August 2013*

I was working with reservoir characterization through well log analysis and interpretation, geophysical and geological modeling, and fracture modeling using artificial neural networks.

## Technical and Personal skills

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- **Programming Languages:** C, C++, Python, Fortran, Java, Matlab, TeX.
- **High-Performance Computing:** MPI and OpenMP.
- **Seismic Analysis Environments:** Madagascar, SeisSpace ProMAX, Seismic Unix.
- **Graphic Software:** Surfer, Grapher, GMT.

## Grants, Awards and Honors

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- **Federal Research Scholarship (2018):** Grants provided by Coordination for the Improvement of Higher Education Personnel (CAPES) to develop PhD research at Colorado School of Mines for four years.
- **Federal Research Scholarship (2017):** Grants provided by Brazilian National Council for Scientific and Technological Development (CNPq) to develop PhD research at Federal University of Bahia for four years.
- **Federal Research Scholarship (2015)** Grants provided by Coordination for the Improvement of Higher Education Personnel (CAPES) to develop master research for two years at Federal University of Bahia.
- **Science Without Borders Scholarship (2013)** Grant provided by the Brazilian government to study for one year at Colorado School of Mines.
- **Federal Research Scholarship (2011/2012)** Grants provided by National Council of Scientific and Technological Development (CNPq) to develop research in the academic field.