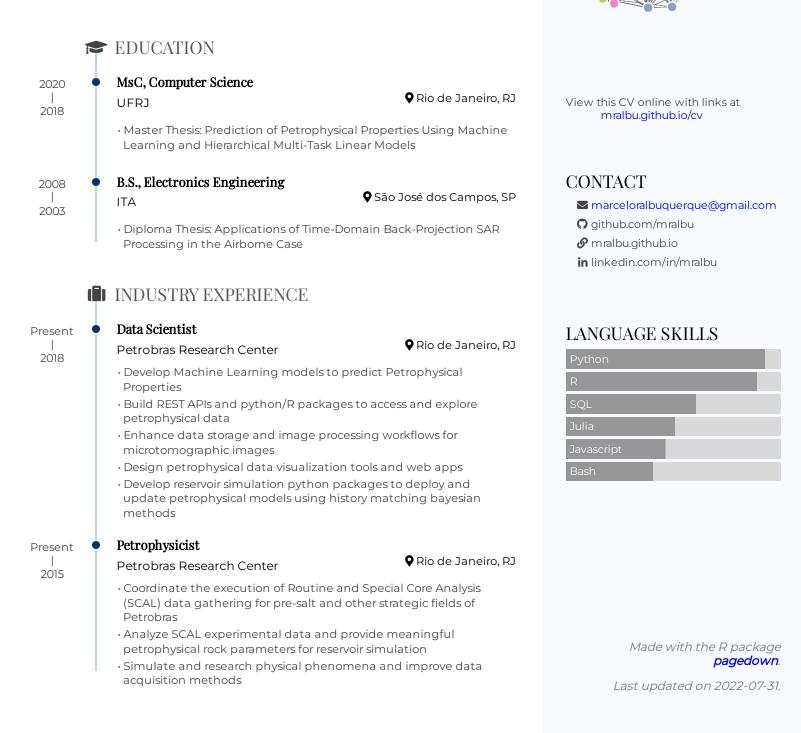
MARCELO ALBUQUERQUE

I am a petrophysicist with a unique combination of skills in applied machine learning, statistics and reservoir engineering. I am passionate about analyzing and extracting value from data, using exploration and visualization tools and deploying solutions for business problems.

Currently searching for a position that allows me to build tools leveraging a combination of visualization, machine learning, and software engineering to help people explore and understand their data in new and useful ways.



2015 2010	 Reservoir Engineer Petrobras Reservoir Engineer at the Sergipe-Alagoas Business unit (UO-SEAL) Management of mature oil and gas fields in the Sergipe Alagoas basin Oil Field Production and Reserves forecasting with analytical and numerical simulation tools (CMG Software Suite)
2010	Petroleum Engineer
1 2009	Petrobras • Salvador, BA
	 Petroleum Engineering in-company specialization at Petrobras University
2008	• Engineering Intern
 2008	Orbisat 🛛 São José dos Campos, SP
2006	 Developed a point-target simulator for a ground-based weather radar, using Synthetic Aperture Radar concepts Supported the software development team evaluating and implementing radar signal processing algorithms in IDL
	RESEARCH EXPERIENCE
2007	• Diplomand Researcher
 2007	Deutsches Zentrum für Luft und Raumfahrt (DLR) • Munich, DE
2007	\cdot Implemented a Synthetic Aperture Radar (SAR) processor in IDL and C / pthreads
	 Investigated and developed applications of time-domain SAR processing: direct-geocoding and processing of curvilinear acquisition trajectories
	 Researched a novel SAR acquisition geometry Circular SAR"
	PUBLICATIONS
2018 2018	• Estimation of Capillary Pressure Curves from Centrifuge Measurements Using Inverse Methods
	Rio Oil & Gas
	• Authored with Felipe M. Eler, Heitor V.R. Carmargo, André L.M. Compan, Dario A. Cruz and Carlos E. Pedreira.
2008 	 Applications of Time-Domain Back-Projection SAR Processing in the Airborne Case
2008	European Conference on Synthetic Aperture Radar
	• Authored with Pau Prats and Rolf Scheiber