

Gabriel GUIMARÃES CARVALHO

PERSONAL DATA

PLACE AND DATE OF BIRTH: Recife, Brazil | 24 September 1987
PHONE: +55 (81) 9 8233 1987
E-MAIL: gbrcarvalho@gmail.com
LINKEDIN: <https://www.linkedin.com/in/ggcarvalho/>
SKYPE: [g.gcarvalho](https://www.skype.com/people/g.gcarvalho)
GITHUB: <http://github.com/ggcarvalho>

CURRENT POSITIONS

2019-	Projeto Cin/Motorola - UFPE <i>Researcher</i> Image quality and image processing researcher.
2019-	Universidade Federal de Pernambuco <i>Ph.D Student</i> Topology applied to Machine Learning.

PREVIOUS POSITIONS

2017-2019	Universidade Federal de Pernambuco - UFPE <i>Temporary Lecturer</i> Since November 2017 I have given lectures on Calculus I (single variable calculus), Calculus II (multi-variable calculus), Calculus III (vector calculus and numerical series), and Complex Analysis for Engineers.
2017-2018	Universidade Federal Rural de Pernambuco - UFRPE <i>Postdoctoral Researcher</i> This research project consists of finding new approaches to disformal metrics and studying topological defects in gravitational theories.
2012-2014	Universidade Federal de Pernambuco - UFPE <i>Temporary Lecturer</i> During this period I gave lectures on Calculus I (single variable calculus), Calculus II (multi-variable calculus), Calculus III (vector calculus and numerical series), and Analytic Geometry.

EDUCATION

- 2014-2017 Ph.D degree in PHYSICS AND RELATIVISTIC ASTROPHYSICS
Università di Roma “La Sapienza”, Rome (IT)
Thesis: “A walk through mathematical physics with diffeomorphisms and scalar field self-force effects on a particle orbiting a Reissner-Nordström black hole”
Advisors: Prof. Remo RUFFINI and Donato BINI
Classification: Excellent
- 2011-2013 M.Sc. Degree in MATHEMATICS
Federal University of Pernambuco, Recife (BR)
Dissertation: “The Ricci flow and Hamilton’s theorem”
Advisor: Henrique ARAÚJO
GPA: 4.0/4.0
- 2008-2010 B.Sc. Degree in MATHEMATICS
Federal University of Pernambuco, Recife (BR)
GPA: 8.09/10

GRANTS AND SCHOLARSHIPS

- 2017-2018 CNPq Junior Postdoctoral Scholarship
One year postdoctoral grant in physics at UFRPE.
- 2014-2017 CAPES-ICRANet Ph.D Scholarship BEX: 15114/13-9
Three years scholarship for a full time Ph.D study in Physics and Relativistic Astrophysics at the University of Rome “La Sapienza” as part of the ICRANet group.
- 2011-2013 CAPES Masters Scholarship
Two years scholarship for a full time M.Sc. study in mathematics at the Federal University of Pernambuco.

LANGUAGES

- PORTUGUESE: Mother tongue
ENGLISH: Fluent
ITALIAN: Fluent

COMPUTER SKILLS

- Operating systems: | Linux, OS X
- Programming: | Python, R, Maplesoft Maple
- Word processing: | \LaTeX and Office suits
- Presentation: | \LaTeX beamer, Office suits
- Version control: | Git