

HELY C. BRANCO

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SUMMARY

Masters in Physics and Astronomy by the Federal University of Technology of Paraná (UTFPR), with dissertation under the title of Equilibrium shapes and geology of Transneptunian Objects. Graduated in Geology at the Federal University of Paraná (UFPR), with monography under the title Planetary Geology: planet Earth as an analog for the study of planetary bodies. Studied Geology (BSc.) at the University of Liverpool (UoL) for one year as a part of the Science Without Borders program, including participation in geological mapping training programs in Almeria (Spain) and Donegal (Ireland), and development of a geological map of meta-sedimentary Pre-Cambrian rocks (Holy Island, Anglesey, North Wales). During graduation, developed supervised research projects (scientific initiation program) in sedimentary petrology, focused on calcretes and rocks with carbonatic cementation (Marília and Caiuá Formations, Bauru Group) for two years, worked as igneous petrology monitor for one semester, and have developed geological mapping projects in sedimentary (Itararé Group and Rio Bonito Formation, Paraná Basin), igneous (Valsungana Granite) and metamorphic (Brusque Group) sequences.

Also studied two years of Physics (BSc.) in the Federal University of Paraná (UFPR). Currently studies Psychology (BSc.) at the same institution, with conclusion expected in 2025.

Has intermediate domain of ArcGIS (versions 9.3 e 10), Oasis Montaj, Photoshop CS6, Adobe Illustrator CS6, CorelDraw X10 and programming in Python, as well as basic domain of Surfer, MatLab, and other programming languages (e.g. C, C++, Fortran).

Softwares: ArcGIS, Photoshop, Illustrator, CorelDraw, MatLab, Surfer

Languages: LaTeX, Python 2, Python 3, C, C++

Languages: Português (native), Inglês (fluent), Japonês (basic), Francês (basic), Espanhol (basic)

EDUCATION

2018 - 2020	MSc. in Physics and Astronomy Physics and Astronomy Post-Graduation Program (PPGFA) Federal University of Technology of Paraná (UTFPR) Dissertation: Equilibrium Shapes and Geology of Transneptunian Objects Supervisor: Dr. Felipe Braga-Ribas
2020	BSc. in Psychology (ongoing) Federal University of Paraná (UFPR)
2017 - 2019	BSc. in Physics (stopped) Federal University of Paraná (UFPR)
2017 - 2019	BSc. in Geology, with Honours Federal University of Paraná (UFPR)

Abroad period at the University of Liverpool (UoL) - Supervisor: Dr. Alan Boyle
Monotraphy: Planetary Geology: planet Earth as an analog to the study of planetary bodies
Supervisor: MSc. Fernando Mancini

2008 - 2010 High School (2º grau)
Nossa Senhora Medianeira School - Curitiba, PR - Brazil

2000 - 2008 Elementary School (1º grau)
Nossa Senhora Medianeira School - Curitiba, PR - Brazil

AWARDS

2016 Best Student of the 2016 Geology Bachelor's Class
Federal University of Paraná (UFPR)

PROFESSIONAL EXPERIENCE

2019 English Teacher (ongoing)
Centro Europeu
Supervisor: Thaís Scharfenberg

2018 - 2020 Masters Student
Federal University of Technology of Paraná (UTFPR)
Physics Department (DeFis)
Supervisor: Dr. Felipe Braga-Ribas

2016 Geology Intern
Paraná's Geological Survey (Mineropar)
Supervisor: Tadeu Lima

2015 Geological Cartography Intern
Federal University of Minas Gerais (UFMG)
Casa da Glória Institute - Eschwege Center of Geology
Supervisor: Dra. Eliza Peixoto

2015 Teaching Assistant in Igneous Petrology
Federal University of Paraná (UFPR)
Geology Department (DeGeol)
Supervisors: Dra. Eleonora Vasconcelos and Dra. Cristina Vale Pinto-Coelho

2014 Interexchange Student
University of Liverpool (UoL)
Department of Earth, Ocean and Ecological Sciences
Supervisor: Dr. Alan Boyle

2012 - 2013 Scientific Initiation Intern
Federal University of Paraná (UFPR)
Geology Department (DeGeol)
Supervisor: Dr. Luiz Alberto Fernandes

2011 - 2012 Volunteer Scientific Initiation Intern
Federal University of Paraná (UFPR)
Geology Department (DeGeol)
Supervisor: Dr. Luiz Alberto Fernandes