

# Vítor de Godeiro Marques

Institute of Informatics  
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## Education

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### Federal University of Rio Grande do Sul

Master of Science in Computer Science  
Advisor: Prof. Manuel M. Oliveira

Porto Alegre, RS, Brazil  
Mar. 2019 to Present

### Federal University of Rio Grande do Norte

Bachelor in Computer Science; CGPA: 9.48/10.00, graduated with High Distinction  
Advisors: Prof. Bruno Motta and Prof. Bruno Santana

Natal, RN, Brazil  
Jan. 2018 to Dec. 2018

### Institute for Pure and Applied Mathematics

Course on 2D Computer Graphics; Grade:  $A^-$

Rio de Janeiro, RJ, Brazil  
Jan. 2018 to Mar. 2018

### Federal University of Rio Grande do Norte

Bachelor in Information Technology; CGPA: 8.31/10.00

Natal, RN, Brazil  
Jan. 2014 to Dec. 2017

## PUBLICATIONS

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- **Vítor Godeiro**, Luis R. D. da Silva, Bruno M. Carvalho, Leanderson R. F. de Lucena, Marcela M. Vieira. *Deep Learning-based Pore Segmentation of Thin Rock Sections for Aquifer Characterization using Space Color Reduction*. To appear at International Conference on Systems, Signals and Image Processing (IWSSIP), 2019
- **Vítor Godeiro**, José Neto, Bruno Carvalho, Julianny Ferraz, Bruno Santana, Renata Gama. *Chronic Wound Tissue Classification Using Convolutional Networks And Color Space Reduction*. IEEE International Workshop on Machine Learning for Signal Processing (MLSP), 2018

## AWARDS

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- Student Merit Medal, Best winter 2018 graduating student of the Computer Science Feb. 2019
- Best Paper in Progress, Workshop on Medical Informatics, Brazil Jul. 2017

## FELLOWSHIPS

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- M.Sc. Scholarship, Coordination for the Improvement of Higher Education Personnel 2019
- Scientific Initiation Scholarship, Norte-Rio-Grandense Foundation of Research and Culture 2018
- Tutorial Education Program, Brazilian Ministry of Education 2016, 2017
- Young Talents Program for Science, Coordination for the Improvement of Higher Education Personnel 2015

## EXPERIENCES

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- **Research Assistant, Federal University of Rio Grande do Sul** Mar. 2019 to present  
Advisor: Prof. Manuel Menezes de Oliveira Neto  
Developing novel neural network architectures for 3D understanding.
- **Research Assistant, Federal University of Rio Grande do Norte** Sep. 2016 to Nov. 2018  
Advisor: Prof. Bruno Motta de Carvalho  
We investigated algorithms to perform the segmentation of wounds as well the classification tissues as Necrotic, Granulation or Slough based on their textural properties (The Earth Mover distance) or using several convolutional networks and proposed a color space reduction methodology.

- **Software Engineer Intern, Digital Metropole Institute** Sep. 2017 to Dec. 2017  
Worked to make improvements at the Labs System that is responsible for the control and planning of the activities of the laboratories of the research centers linked at the Metropole Digital Institute.
- **Research Assistant, Federal University of Rio Grande do Norte** Jan. 2015 to Jun. 2016  
Advisor: Prof. Bruno Santana  
We developed virtual tools to improve the quality of practice teaching in parasitology and medical entomology.

## COMPUTER SKILLS

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**Languages:** C/C++, Python, Java, Lua.

**Libraries:** Tensorflow, OpenCV, OpenGL, Numpy, SkLearn.

**Applications:** Vi/Vim, Git, L<sup>A</sup>T<sub>E</sub>X.