

# Paulo A. Viana

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(Last updated: October 24, 2022)

## Education

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2022-PRESENT *M.Sc. in Computer Science*  
**Universidade Federal de Pernambuco** *Thesis: –*

2016-2020 *B.Sc. in Mathematics*  
**Universidade Federal de Pernambuco**

## Teaching

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### Universidade Federal de Pernambuco

JAN-FEB 2018 | Teaching Assistant  
Teaching Assistant in Real Analysis during the 49<sup>th</sup> Summer Program of the Department of Mathematics (DMAT-UFPE)

## Undergraduate Research

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PIBIC Geometrical and Topological Methods in Physics: Quantum Phases in Condensed Matter  
2018-2019 Original Title: Métodos Geométricos e Topológicos na Física: Fases Quânticas na Matéria Condensada

PIBIC Phenomena and Quantum Phases in Condensed Matter  
2017-2018 Original Title: Fenômenos e Transições de Fase Quânticas na Matéria Condensada

## Technical Skills

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Programming Languages: Python, Pascal, Haskell, Bash/shell  
Markup Languages:  $\text{\LaTeX}$ , R Markdown, Org-mode  
Computer Software: Octave/Mathlab, Git, Emacs, Vim, Nix  
Computer Libraries/SDK: Qiskit, Numpy, Pandas

## Work Experience

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AUG-OCT 2021 | Summer of Nix Program  
Participant of the 1<sup>st</sup> [Summer of Nix Program](#) (NixOS Foundation)

## Relevant Courses

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FUNDAMENTAL GROUP AND COVERING SPACES: *Master's Level* — *IMPA, Summer Program 2019*.  
Original Title: [Grupo Fundamental e Espaços de Recobrimento](#)

FOUNDATIONS OF MODERN CRYPTOGRAPHY: *Graduate Level* — *CIn/UFPE, 2022-1*.  
Original Title: Fundamentos da Criptografia Moderna – IN1113

INTRODUCTION TO QUANTUM COMPUTING: *Graduate Level* — *CIn/UFPE, 2022-1*.  
Original Title: Tópicos Avançados em Algoritmos e Complexidade 1 (Computação Quântica) – IN1039

NEURAL NETWORKS: *Graduate Level* — *CIn/UFPE, 2022-1*.  
Original Title: Redes Neurais – IN0997

## Languages

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ENGLISH: Fluent  
PORTUGUESE: Fluent  
ITALIAN: Intermediate (CEFRL: B1)  
RUSSIAN: Elementary/Basic (A1-A2)  
GERMAN: Basic (CEFRL: A1)  
LATIN: Elementary/Basic