

# João Paulo da Costa Nogueira

☎ +55 85 9 9604 5233 • ✉ joaonogueira@fisica.ufc.br  
🌐 joaopcnogueira • in joaopaulonogueira

I want to pursue a Data Science career. I am a PhD student on Complex Systems, working with spread of epidemics by data analysis and computer modeling. I am proficient at Machine Learning and have been exposed to Neural Networks and Deep Learning. I have also studied Econophysics, being exposed to Risk Management, Markowitz Efficient Frontier and Black-Scholes model.

## EDUCATION

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**PhD in Physics, Complex Systems**  
*Universidade Federal do Ceará*

**Ceará, BR**  
*since Ago 2016 - Actual*

**Master in Physics, Complex Systems**  
*Universidade Federal do Ceará*

**Ceará, BR**  
*Ago 2014 – Jul 2016*

Master thesis: Rugosidade em Bilhares Clássicos.  
(*Dynamical Systems and Chaos*).

**Bachelor in Physics**  
*Universidade Federal do Ceará*

**Ceará, BR**  
*Mar 2012 – Feb 2016*

Bachelor thesis: Análise Qualitativa da Integrabilidade de Bilhares.  
(*Dynamical Systems and Chaos*).

## EMPLOYMENT

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My daily activities involve data analysis, computational modeling in complex networks, development of algorithms and scripts to automate simulation processes, result reporting, scientific writing, seminars presentation and physics lectures to freshmen.

## SKILLS

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**Data Analysis:** Python, Pandas, NumPy, NetworkX, MySQL, Excel, R.

**Data Visualization:** Matplotlib, Seaborn, Plotly, ggplot2.

**Machine Learning:** Scikit-Learn.

**Version Control:** Git, Github.

**Languages:** Portuguese (native), English (fluent).