

# ***Curriculum Vitae: Mohammed Abdalazeem Hussain Abdalbain***

## **Personal Information**

Name: Mohammed Abdalazeem Hussain Abdalbain  
Nationality: Sudanese  
Date of Birth: 1995/2/14  
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## **Academic Qualification**

Bachelor of Physics with Honours - 1<sup>st</sup> class  
University of Khartoum (2016)

## **Work Experience and Employment**

- Tutor and Lab Demonstrator (assistant teacher)  
Department of Physics, Faculty of science, University of Khartoum since 2016/12/1 until now
- Volunteer Teacher  
Self-organized teaching of physics and mathematics to disadvantaged students in my community since 2014 until now

## **Computer Skills**

- programming languages : C++, Python, Visual basic and java .
- Algorithms : classification algorithms, anomaly detection algorithms, regression algorithms, clustering algorithms, reinforcement learning algorithms.
- Scientific programming including : Matlab, Mathematica, Quantum Espresso code, **LaTeX** and **xmgrace**.
- OS : Windows and Linux(LUI)

## **Workshops and External Courses**

- Workshop on Computer Maintenance and Networks certificate 2014
- Algorithms 1 and Algorithms 2 (12 weeks on-line) 2015
- python language (6 weeks on-line ) 2014

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- KWAMS Workshop on Advanced Materials Science, ICTP and University of Khartoum (2017)
- Workshops on Radiation Protection in Sudan Atomic Energy Corporation (2017)
- Statistical Mechanics Algorithms and Computations, on-line (2015)

## **Languages**

- Arabic languages (mother tongue)
- English (excellent)

## **Objectives**

- A career in academia in theoretical physics
- My research interests include quantum mechanics, quantum computer, computational physics(Data science and simulations) and materials science.

## **Hobbies**

My hobbies include traveling, football, swimming and read scientific papers

## **Referees**

- Prof. Sinéad M. Griffin

SNF Postdoctoral Fellow, UC Berkeley  
E-mail: [sgriffin@lbl.gov](mailto:sgriffin@lbl.gov)

- Head physics department Ihab Fathalla Riad

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## **Curriculum Vitae: Mohammed Abdalazeem Hussain Abdalbain**

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