

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 - 1st 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
- Data science (10 weeks on-line) 2016
- 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
- Head physics department Ihab Fathalla Riad
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