Abdalrahman Abohalima

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personal website

EDUCATION

M.Sc. Astrophysics, Lund University, Sweden June 2017
Supervisor: Dr. Louise Howes.
Thesis: Neutron - capture elements in the early universe.

B.Sc. Physics, Alexandria University, Egypt June 2013
Supervisor: Dr. Magdy Alabshehy.
Thesis: The constituents of the interstellar medium.

TEACHING EXPERIENCE

Teaching Assistant, Alexandria University, Egypt Sep 2013 - Jan 2014
Teaching and grading laboratory physics for first year science major students.

Physics instructor, Sep 2013 - Jan 2014
Arab Academy for Science, Technology & Marine Transport, Egypt
Teaching laboratory physics for first year engineering major students.

WORK EXPERIENCE

Database developer, Michigan State University, USA Jun - Aug 2016
Curated a database for metal-poor stars with a web application. A project for the Joint Institute for Nuclear Astrophysics (JINA). JINAbase webapplication

Python developer, MIT physics department, USA Jun - Aug 2017
Developing a python interface with an SQL database for Prof. Anna Frebel's research group.

AWARDS

- Lund University global scholarship; masters degree tuition fees. 2015 - 2017
  Scholarship awarded on academic merit basis.
- Physics honors program, Alexandria University Jan 2012 - Jun 2013
  Selection based on academic achievements, only 2 students joined the program my year.

PRESENTATIONS

- **Masters talk:** "Neutron capture elements and metal-poor stars", Sep 2016
  Part of Lund's masters program.
- **Course talk:** "Evolution of the martian atmosphere", Oct 2016
  Planetary sciences course at Lund Observatory.
- **Local talk:** "Masters project first results", Nov 2016
  Stellar population group at Lund Observatory.
- **Invited talk:** "Neutron capture elements in the early Universe", Feb 2017
  Galactic archeology group at ARI, Heidelberg.
- **Masters final presentation:** "Neutron capture elements in the early Universe". May 2017

SKILLS

- Python, Matlab, and Linux.
- SQL, Pandas, Excel, and Bokeh.
- Flask, HTML, CSS, and Javascript.
- LaTeX, Microsoft office, and Pages.

RESEARCH INTERESTS

Stellar archeology, metal - poor stars, the early Universe, the first stars, stellar nucleosynthesis, galactic chemical evolution, heavy elements neucleosynthesis, accurate/precise stellar abundances.