# Mohammed Salama Ibrahim

122, Khirfan St. Jabal Amman, Amman, Jordan 11181
+962 78 5765044 | moesalamaibrahim@gmail.com

## PROFESSIONAL & ACADEMIC EXPERIENCE

**Tutor** | *Success 4 Sure Centre* 09/2025 – Present

- Taught multiple maths and physics courses for the IGCSE and AP testing systems, for both entry-level and advanced-level courses.

**Scientist** | *Faraday Science Center* 06/2026 – Present

- Conducted public and private science shows in both summer camps and privately held audiences.

**Visiting Lecturer** | *Princess Sumaya University for Technology* 02/2026 – 06/2026

- Taught a class of technical writing and communication skills for IT and engineering students.

**Tutor** | *High Square* 01/2025 – Present

- Taught multiple undergraduate- and graduate-level science and engineering courses, specializing in electrical engineering and its subdisciplinary fields.

**Teaching Assistant** | *Princess Sumaya University for Technology* 10/2022 – Present

- Worked on assisting and teaching multiple courses and laboratories for undergraduate students, spanning sophomore to fifth-year levels.
- Instructed on topics including analog and digital communications, computer architecture, networks, information security, power systems, signals and systems, and MATLAB applications.

**Course Manager** | *Edraak* 01/2022 – 12/2022

- Managed the planning, delivery and quality of content of several business-to-business courses aimed at professionals for online learning.

**Instructional Designer** | *Salalem* 02/2021 – 08/2021

- Created engaging learning and course content, working with subject matter experts and identifying target audience's training needs.

**Research and Development Officer** | *3Du (Galileo for 3D Designs)* 08/2019 – 08/2020

- Researched and developed written content for the company's programs, courses and curricula, for theoretical foundation and project-based learning of modern technologies in education.

**Tutor** | *Knewton Training Center* 06/2018 – 06/2019

- Tutored undergraduate-level courses, including mathematics, physics and electrical engineering subjects.

**Electronics Teacher & Coach** | *Eureka Tech Academy* 10/2017 – 10/2018

- Instructed children aged 10-16 years about electronic circuits, both theoretically and practically.
- Co-authored in writing a curriculum for the electronics course level at the academy.

**Trainee** | *Taqetna Renewables* 08/2013 – 11/2013

- Trained on the cost estimation, capacity calculation and installation of photovoltaic (PV) systems.
- Coordinated workshops for school students aged 12-15 teaching them how to build renewable energy-powered gadgets, and designed the Taqetna campaign website, Trip to Renewable Energy and Environment (TREE).

## EDUCATION

**M. Sc. in Electrical Engineering** | *Princess Sumaya University for Technology* 10/2022 - 08/2025
Thesis Title: *Angle-Index Modulation with Acousto-Optic Technology: A Performance Analysis Perspective for FSO Communication*

**B. Sc. in Electrical Engineering (Telecom)** | *Jordan University of Science and Technology* 09/2013 – 06/2018
GPA: 3.62/4.2 | Rank: 2/83

**General Secondary Certificate (Scientific Stream)** | *Shukri Sha'sha'a Secondary School* 09/2012 – 07/2013
GPA: 94.4%

## TOOLS AND LANGUAGES

- **Programming:** C, C++, Assembly (PIC, HCS12), Julia, Python (Raspberry Pi)
- **Web Development:** HTML, JavaScript, CSS, PHP, MySQL
- **Scientific Computation & Simulation:** MATLAB, Simulink, Mathematica, Julia, LTSpice, AutoCAD, TinkerCAD
- **Spoken Languages:** Arabic (Mother tongue), English (TOEFL-iBT: 100/120), German (Beginner)

## VOLUNTARY EXPERIENCE

**Ambassador** | *Phi Science Institute* 2017 – 2019

- Representative of Phi Science Institute since the creation of its ambassadorship program in Dec. 2017.

**Team Leader** | *Naqsh Initiative* 2016 – 2017

- Took the role of writing scripts and organizing experiments to be demonstrated in lectures for science shows aimed at children.

**Editor and Content Creator** | *Phi Science Club / Institute* 2015 – 2017

- Translated and wrote scientific and technical articles.

**Core Team Member** | *Greenpeace Mediterranean* 2012 – 2016

- Volunteered in campaigns for climate change, renewable energy and environmental awareness.

## INTERESTS

Scientific Computation, Theoretical Physics, Data Science and Machine Learning, Foreign Languages