

Yousef **Abudyak**

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Education

Electrical and Computer Engineering - 08/2023 to 05/2025
University of Central Florida, Orlando, USA

- Master of Science in Electrical Engineering
- GPA : 3.9
- Fulbright scholar : Merit-Based U.S. government-funded international exchange program

Electrical power engineering - 02/2017 to 06/2022
Yarmouk university, Irbid , Jordan

- Bachelor's degree
- GPA : 84.7 (Excellent)
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Electrical engineering - 02/2020 to 07/2020
Cadiz university, Cadiz , Spain

- Erasmus + program for cultural exchange
- 12 credit hours added to the transcript of bachelor's degree

Work experience

Graduate Teaching Assistant - 09/2023 to – 05 / 2025
University of Central Florida, Orlando, USA

- Hold office hours for student consultations
- Assist with research projects or data collection
- Assist in setting up labs or practical sessions
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Trainee - 02/2022 to 06/2022
Irbid district electricity co. , Irbid , Jordan

- Power quality studies and complaints
- Maintenance and operation
- renewable energy studies and regulations

Summary

Enthusiastic student always looking for new challenges in my major to solve it, love to help colleagues in need to overcome obstacles in university, certified in some important hot topics in my specialty.

Highlights

- Interested in renewable energy
- Have a studying abroad experience
- Lecturer on YouTube website
- Familiar with some programming software : MATLAB and C++
- Passionate about learning new technologies in electric engineering
- Possesses experience in distribution level companies and their duties.

Skills

- Critical thinking and analysis
- Complex problem solving
- Leadership and social influence
- Technology use: monitoring and control

Certificates

Wind Energy - 07/2021 to 10/2021

DTU university , Denmark .

- an online non-credit course authorized by Duke University and offered through Coursera
- Test and measurements of wind energy, turbines technology, economics and aerodynamics.

Introduction to Internet of things and embedded systems - 03/2021 to 07/2021

UCI university , USA .

- an online non-credit course authorized by Duke University and offered through Coursera
- Embedded systems , networking, hardware and software.

Electric Industry Operations and Markets - 4/2021 to 6/2021

Duke university , USA.

- an online non-credit course authorized by Duke University and offered through Coursera
- Electric Industry Operations : core activities that the industry executes to bring electricity to customers.

PV system design - 09/2018 to 10/2018

Electro wave co., Amman , Jordan

- Panels and inverters technology , hardware, software related and design

Projects

1- STATCOM contribution in power quality and voltage stability - 2021.

Available online :

<https://drive.google.com/file/d/1kBKk1ijWushKRHAWOzM4QR0Zk-YIAVN9/view?usp=sharing>

2- Simulation of STATCOM contribution in PV-Wind hybrid system integrated into the grid - 2022.

Available online :

<https://drive.google.com/file/d/1GV0IWUHg3fJUweCZu9f5WvbQEz6xGhe0/view?usp=sharin>

Professional activities

Participant in the scientific day of Hijjawi faculty – 12 / 2021

Yarmouk university , Irbid , Jordan.

- One of the organizers of the event
- Participated with project about solar power tracking

Founding an educational team for academic consulting and teaching – 06 / 2019 until now

Yarmouk university , Irbid , Jordan.

- team name is Tesla team
- Provide educational materials and help with different electric department courses
- Provide a YouTube channel* with the name (Tesla Yu) that have uploaded courses
- Non – profit organization

Volunteer teaching – 06 / 2019 until now

Yarmouk university , Irbid , Jordan.

- Non – profit teaching
- Teaching students with videos on YouTube*
- Teaching students by doing face-to-face lectures in the university
- This is a voluntary work and I am only recognized as a student not a teacher in the university

* https://www.youtube.com/watch?v=kHFZSjMYAqc&list=PL2C_OpeEqP-LgiDcixQR4QyN2n9EQTwuR