

Noha Moustafa

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Summary

Final-year MSc candidate TU Delft. Studying wireless telecommunications and sensing systems. Experienced in wireless networks, cellular networks, performance analysis, signal processing, channel coding, and electronics.

Education

- 2018 - 2022 **Delft University of Technology**
MSc Candidate, Final Year – Telecommunications and Sensing Systems
- Statistical Digital Signal Processing
 - Wireless Communications
 - Estimation and Detection
 - Information Theory
 - Networks
 - Wireless Networking
 - Applied Convex optimization
 - Cellular Networks
- 2016 - 2018 **Mansoura University**
MSc Candidate – Wireless Telecommunications – 3.6/4.0 (Excellent)
- Cognitive Radio and Spectrum Sharing
 - Non-Orthogonal Multiple Access (NOMA)
 - Smart Cities and IoT
- 2011 - 2016 **Mansoura University**
BSc Electronics and Communications Engineering – 89/100 (Excellent, Top Second)
Thesis: Implementation of DC micro smart grid using renewable energy
- Digital Signal Processing
 - Electronic Circuits (1-3)
 - Logic Circuits (1-2)
 - Communications Theory (1-2)
 - Circuit Theory
 - Mobile Communication Systems
 - Communication Networks
 - Electromagnetics
 - Mathematics (1-5)
 - Integrated Circuits
 - Linear Systems and Networks
 - Optical Communication Systems

Experience

- 2016 - 2018 **Faculty of Engineering, Mansoura University** – Research and Teaching Assistant
- Cooperated in teaching and preparing course materials in Electronics and Communications
 - Evaluated students' performance through assignments and projects
 - Co-supervised graduation projects of undergraduate students

Internships

- 23.8 - 3.9.2015 **Benha Electronics** – Summer Intern
- Designed circuit boards using CAD and made PCB layout
 - Performed troubleshooting for electronic boards
 - Covered few topics in radar production
- 27.7 - 12.8.2015 **Zewail City for Science and Technology** – Summer Intern
- Simulated problems with COMSOL
 - Attended an introductory course in Quantum Mechanics
- 13.7 - 04.8.2014 **Telecom Egypt** – Summer Intern
- Covered topics in Transmission Technology, Principals of Digital Microwave Radio Technology, Telephone Network Planning
 - Received hands-on training in different communication infrastructures as: coaxial cables, copper wires, twisted pair, optical fiber

Student Activities

8.2015 - 2.2016	IEEE, Mansoura Student Branch – Secretary <ul style="list-style-type: none">• Documentation for events, meetings and competitions• Participating in volunteers' skills development
7 - 10.2015	IEEE, Mansoura Student Branch – Marketing Member <ul style="list-style-type: none">• Got disciplines of creating marketing strategies and content• Led a Facebook campaign for promoting one of our activities
4.2014 - 7.2015	IEEE, Mansoura Student Branch – Public Relations Member <ul style="list-style-type: none">• Covering activities through media• Presenting in events• Logistics
13 - 18.9.2014	InnovEgypt Camp and Intel Ideation – Workshop <ul style="list-style-type: none">• Throughout intensive six-day workshop, I have got concepts of constructing business model to solve one of nationwide issues

Skills

Technical	<ul style="list-style-type: none">• Simulation: MATLAB, Protous, LabVIEW, Multisim, CAD and COMSOL• Network Analyzer: Wireshark• Microcontroller: PIC, Arduino• Electronics: PCB
Personal	Skills gained through postgraduate studies, summer internships, and student activities <ul style="list-style-type: none">• Self-learning• Analytical Skills• Presentation• Teamwork• Press-release Writing• Communication• Problem solving

Languages

English	Good - IETLS: 8.0/6.5/6.0/6.5/7.0 (L/R/W/S/Overall)
Arabic	Native

Last update: June 10, 2021