

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

2021 - 2022	Delft University of Technology MSc Candidate, Final Year – Telecommunications and Sensing Systems • Will work on the MSc thesis project under the supervision of Dr. Remco Litjens
2018 - 2020	Delft University of Technology MSc Candidate – 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
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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, Principles 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: February 12, 2021