

Rania Makram

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OBJECTIVE

Seeking a telecommunication internship that will challenge my knowledge in the electronics and communications engineering field and put me on the frontline of the workforce to gain experience and add value to the company.

EDUCATION

Bachelor of Science, The American University in Cairo (AUC)

- Major: Electronics and Communications Engineering
- Minor: Computer Science
- Expected Date of Graduation: June 2021
- Grade Point Average (GPA): 3.6/4.0

International General Certificate of Secondary Education (IGCSE), St. Fatima School, Cairo, June 2016

RELEVANT PROJECTS

- Performed MIPS Microprocessor simulation using C++
- Developed Echo Generation using MATLAB
- Implemented a “Line Tracker and Speed Control Robot”
- Designed a radio receiver starting from the receiver antenna until the signal is demodulated
- Controlled a stepper motor using a microcontroller with an interface of a keypad and an LCD

WORK EXPERIENCE

Intern, Electro & Communications Department, 3M, Egypt, June - August 2019

- Led the team to successfully exceed campaign target by 400%, reaching 512 potential customers over the same duration.
- Created and logged a database of the 512 customers, along with their business cards for future reference.
- Won best presentation (by unanimous vote based on delivery, content, and accomplishment) among interns of all 6 departments.
- Acquired knowledge about 3M products in the Telecom field, Enterprise, OSP (Outside Plant), FTTX (Fiber to the X).
- Attended the upgrade of a network infrastructure from Copper to FTTX at VACSERA Complex.

Project Team Member, Electronics Engineering Department, AUC, Egypt, September 2018 - June 2019

- Attended lectures in Vodafone concerning 4G and 5G networking.
- Collaborated regularly with communications engineers to discuss and clarify deliverables and operations of Vodafone 4G networks.

Trainee, Technology Department, Orange, August 2018

- Learnt about 4G and installation of 5G networks
- Observed the process of checking indoor antennas coverage

EXTRA CURRICULAR ACTIVITIES

Team Head, AUC Robotics Club, September 2018 – present

- Led a team of 12 in designing and implementing two robots to qualify for ROV Competition
- Prepared workshops with experienced professionals in the field of robotics.
- Organized a 3-days camp for all members.
- Gave technical workshops for new members of the club.

Member, AUC Robotics Club, September 2016 – June 2018

- Supervised an introductory Robotics course to the members by Siemens Company

LANGUAGES AND COMPUTER SKILLS

- Proficient knowledge of programming using C++ and assembly language
- Good knowledge of AutoCad, MultiSim, Photoshop, and Vegas
- Proficient usage of Microsoft office applications: MS Word, MS Excel and MS PowerPoint
- Excellent command of spoken and written English and Arabic