

Dalia Kontar
Address: Aytat, Aley, Lebanon
Phone Number: +961-78-909172
E-mail Address: dmk24@mail.aub.edu

OBJECTIVE

I am seeking a job in a challenging position relating to my educational background of Electrical & Computer Engineering which matches my qualifications and meets my expectations.

EDUCATION

American University of Beirut	From 02/13-12/16
Bachelor in Electrical and Computer Engineering, with Emphasis on Energy and Power Systems Minor in Mathematics Graduated with Distinction, GPA: 87, Honors student since the first semester	
Amjad High School	From 09/09-06/12
Official Lebanese Baccalaureate in General Sciences in 2012, Mention Tres Bien	

PROFESSIONAL EXPERIENCE

Design Engineer at LACECO	Hamra, Beirut	From 06/17-03/19
<ul style="list-style-type: none">• Designed lighting layouts for internal lighting, as well as external and street lighting, at all levels of design: conceptual, schematic, detailed and tender• Supervised complete lighting designs based on a given set of standards and deliverables, at all levels of design: conceptual, schematic, detailed and tender• Prepared and optimized lighting calculations in accordance with international codes and standards and projects' local authorities requirements, used as basis for design and supervision of lighting and emergency lighting design in projects• Performed quality assurance and quality control by ensuring all requirements of the applicable specifications and drawings are complied with, and reported discrepancies to the leader and contributed in finding solutions• Produced Electrical Power, Lighting, Telecom, Sound, Fire Alarm, CCTV, Lightning and Earthing drawings at all levels of design: conceptual, schematic, detailed and tender• Designed external networks including LV routing for external lighting and CCTV in coordination with other departments		
Trainee at Dar Al-Handasah	Verdun, Beirut	From 05-07/16
<ul style="list-style-type: none">• Studied and researched factors affecting design criteria, design standards, planning for electrical engineering design, wiring design and cable ampacity tables, cable types, circuit breakers, motor control centers, generators, small power installations, lighting design and interior lighting calculations, lightning protection• Simulated small projects on lighting design, generator ratings, and circuit protection using specialized software: DIALux, Cummins Power Suit, Cat Electric Power SpecSizer		

ADDITIONAL EXPERIENCE

Tutor	American University of Beirut	From 08/15-present
<ul style="list-style-type: none">• Tutoring AUB students in the courses: Introduction to Electric Circuits, Analog Signal Processing, Calculus, Linear Algebra, Control Systems, Systems Analysis and Design; elementary students in grades 6, 7, 8 and 9 in mathematics, physics and chemistry; high school students in grades 10, 11 and 12 in mathematics and physics		
Piano Lessons	Ain Anoob, Mount-Lebanon	From 07/12-02/13
<ul style="list-style-type: none">• Gave private piano lessons		
AUB Science Fair	American University of Beirut	From 09/10- 03/11
<ul style="list-style-type: none">• Participated in a team of three through a project on the effect of high heels on human health		
Model United Nations	Lebanese American University	From 02-05/10
<ul style="list-style-type: none">• Contributed a position paper and in the conferences as a representative of Indonesia		

PROJECTS ACCOMPLISHED

Tilal Al-Ghaf Community Hub	LACECO	From 07-12/18
<ul style="list-style-type: none">• Electrical design and supervision of a large-scale community hub project in UAE, Dubai: buildings, infrastructure and basement packages for residential (56,000 m²) and mixed-use (57,000 m²) purposes<ul style="list-style-type: none">◦ Design of lighting and power in conceptual and schematic design phase◦ Supervision of detailed lighting design with thorough interactions with the sub-consultant concerning project updates and negotiation about latest regulations, codes and standards which influence the design		
Al Mazraa Parking	LACECO	From 05/18-01/19
<ul style="list-style-type: none">• Electrical design and supervision of a public parking in Lebanon, Mazraa Area: 12 floors of vehicular car parking with a total capacity of around 420 cars, including retails and public rooftop which was later reengineered into an open-air parking<ul style="list-style-type: none">◦ Design of lighting, CCTV, power, fire alarm, and sound evacuation in conceptual and schematic phases◦ Supervision and revision of drawings in lighting, CCTV, power, fire alarm, and sound evacuation in detailed design phase and tender drawings		
Kalba Waterfront	LACECO	From 12/17-11/18
<ul style="list-style-type: none">• Electrical design for a mall in UAE, Sharjah: total built-up area of 17000m²<ul style="list-style-type: none">◦ Design of internal and external lighting in all project phases from conceptual to tender drawings◦ Preparation of panel board schedules, cable schedules, voltage drop schedules and riser diagrams for MV/LV installations◦ Conceptual and schematic street lighting design and external LV network routing		
Al Mamsha	LACECO	From 06/17-03/19
<ul style="list-style-type: none">• Electrical design for a large-scale project in UAE, Sharjah: a 150,000 m² area including 33 buildings, infrastructure and a large basement<ul style="list-style-type: none">◦ Design of internal and external lighting in all project phases from conceptual to tender drawings◦ Preparation of panel board schedules and riser diagrams for MV/LV installations◦ Conceptual and schematic street lighting design and external LV network routing		
Industrial Electrification project	American University of Beirut	From 10-11/16
<ul style="list-style-type: none">• Design and calculation of the optimal supply of countryside consumer loads from an overhead line and an MV/LV substation, and the necessary KVAR compensation		
PV System Design on Bechtel	American University of Beirut	From 09/15-05/16
<ul style="list-style-type: none">• Design of a grid-connected PV system running on the engineering building rooftop in AUB as the Final Year Project, inaugurated in July of 2016, after heavily researching on photovoltaics: off-grid, grid-connected and hybrid systems components; PV panels and technologies; inverters and MPPT (Maximum Power Point Tracking) algorithms; solar radiation estimation algorithms; optimum tilting angle and azimuth angle; shading analysis; system sizing; system connections; efficiency and cost assessments• Participated in the 15th FEA Student & Alumni Conference and contributed in a research paper about the design		
Power System Protection Project	American University of Beirut	From 03-04/16
<ul style="list-style-type: none">• Design of a radial feeder protection against short circuit levels at each section		
Adaptive Control Project	American University of Beirut	From 02-05/16
<ul style="list-style-type: none">• Design of an adaptive controller for vehicle lateral dynamics improvement using adaptive control: system modeling and analysis, controllers: active front steering using Direct Self-Tuning Regulator, direct yaw control using full-state feedback		
System Analysis & Design Project	American University of Beirut	From 09-12/15
<ul style="list-style-type: none">• Design of a controller and observer for current sensing of a DC bus control using a DC-DC buck converter and battery		

SUMMARY SKILLS

COMPUTER SKILLS:

MS Office – Word, Excel, PowerPoint, Access – AutoCAD, SketchUp, DIALux, MATLAB, PSPICE, C++, VHDL, MIPS, LABVIEW, Power World Simulator, ETAP, PVsyst 6.3.9, Helioscope, PREZI, Internet use

LANGUAGES:

Fluent in English and Arabic, adequate knowledge of French

SOFT SKILLS:

Leadership, Communication, Organizational, Team-Building and Management, Critical Thinking, Dedication, Good Functioning Under Pressure, Multitasking

TECHNICAL SKILLS:

Analysis, Design, Documentation, Engineering, Modeling, Coding, Following Specifications, Reporting, Technical Writing, Project Management, Intensive Research on Photovoltaic Systems

REFERENCES

Available upon request