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# ALI KHALED AL-KHARFAN

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## Electrical Engineer

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### Summary

An engineering graduate from Beirut Arab University with excellent organizational and problem-solving skills. Experienced in several software programs that are considered to be fundamental tools in the field of numerical computations, automation, and design. Seeking growth within a progressive organization in a role that provides an opportunity to capitalize my mathematical, management, and engineering skills.

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### Technical Courses and Certificates

- Engineering Economy; principles and techniques of economic analysis of engineering projects (Time Value of Money, Depreciation and Tax Income, Breakeven and Sensitivity Analysis).
- Project Planning and Management (Cost Estimation, Earned Value Analysis, Crashing of Schedules, Resource Allocation and Leveling).
- Intro to Accounting.
- Electrical Design for Residential, Commercial, and Industrial Buildings (Load Estimation, Low and Medium Voltage Network Design).
- Photovoltaic and Wind Renewable Energy Systems (Designing PV and Wind systems).
- Digital Control (Design discrete-time controllers for hybrid systems).
- IC3 Digital Literacy Certification.

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### Work experience

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| 05/2021 - 06/2021 | Internship - Engineering Maintenance<br><i>Gefinor Rotana Hotel</i> <ul style="list-style-type: none"><li>• Maintaining the functionality and safety of the facilities including guest rooms and public areas.</li><li>• Conducting inspections and daily checklist for HVAC, water treatment, and electrical work.</li><li>• Participating in the day-to-day function of the audio/visual work activities in meeting rooms.</li></ul> |
| 06/2019 - 07/2019 | Internship - Electrical Assembly Engineer<br><i>SERVAUMATIC sa</i> <ul style="list-style-type: none"><li>• Assembling electrical panel boards and automatic control systems for power distribution in commercial, residential, and governmental complexes.</li><li>• Trained to read electrical drawings and to mount, connect, and operate different electrical components.</li></ul>   |

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### Education

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| 2015 - 2020 | Bachelor of Engineering, Electrical Power and Machines Engineering (ABET Accredited)<br><i>Beirut Arab University</i> |
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### Skills

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| MS Office   | Analytical Mathematics   |
| Excel, Word, and PowerPoint.  | Numerical Analysis, Probability and Statistics   |
| Dialux  | ETAP   |
| Street Lighting Design, Playgrounds Lighting Design, Football and Basketball Fields Design.   | Power Flow Analysis, Short Circuit Analysis, Stability Analysis, and Arc Flash Analysis. |
| MATLAB & Simulink   | Siemens TIA Portal   |
| Power System Analysis, Programming PLCs, Modelling Physical Systems. Simulating Electric Machines, Power Converters, and PV Arrays. | Designing and Operating Automation Systems.  |
| Languages   |  |
| Arabic (Native), English (Advanced).  |  |