

CURRICULUM VITÆ
FREDDY MAKHOUL
Electrical Engineer

I. Personal Data:

- Full Name: Freddy Fadi MAKHOUL
- Date & Place of Birth: April 13, 1994, Bauchrieh, Lebanon
- Mailing Address: Biakout, Lebanon
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II. Education:

Ecole Supérieure d'Ingénieurs de Beyrouth - ESIB, Lebanon <i>Master in Engineering,</i> Major: Electrical Engineering	Oct. 2018 – till present
Holy Spirit University of Kaslik - USEK, Lebanon <i>Bachelor in Engineering,</i> Major: Electrical and Electronic Engineering	2012 – 2017
Central College Jounieh – CCJ, Lebanon <i>Lebanese Baccalaureate in General Science.</i>	1997 – 2012

III. Experience:

Electrical Design Engineer, ProQuest MEP Design (Offices, Hospitals and Buildings) <ul style="list-style-type: none">• Fire Safety• Low Current	Feb. 2018 – till present
Engineer, Mitsulift <ul style="list-style-type: none">• General introduction (elevator, escalator and revolving doors)• Training – Escalator Maintenance and Communication Skills• Escalator design, installation and sales department.• Research: - new product line (escalator: cost & energy efficient) - new technology for elevators (double deck elevator)	August 2016 6 weeks
Technician, Younes Bros <ul style="list-style-type: none">• General introduction: Generators• Panel board: Design and installation	June 2016 6 weeks

- Process control: Concept design and installation
- Testing department

Technician, **Debbas Industries S.A.L.**

August 2015

- Panel boards design and assembly
- Panel boards materials and components

5 weeks

Technician, **Mazda S.A.L.**

January 2015

- Multimedia (electronic components and sound system)
- Automotive systems (car engine)

2 weeks

IV. Seminars

Lira Program 13 organized by the Ministry of Industry -
Location: Congress Palace – Antelias

13, 14 & 16 September 2017

Internal Beirut Energy Forum, Le Royal - Dbayeh

18, 19 September 2017

V. Competitions

Engineer, **Hult International Business School, U.A.E**

March 2018

Electric Roads: Innovative idea to install embedded material on Highway to
generate electricity from wasted energy

1 week

- Qualified as Top 1 in USEK Competition
- Participate in HultPrize Competition (45 teams from numerous countries)

Engineer, **Alfa & Ericsson**

February 2017

Alfa & Ericsson IoT Competition (Rank: 4th place)

4 weeks

- Design innovative product integrated with Alfa network & Internet of Things
- Topic of my project: Smart Monitoring Electricity Consumption

Engineer, **Gitex Exhibition, U.A.E**

October 2016

Students Lab Competition at World Trade Center Exhibition

1 week

- Participate in GITEX Exhibition (20 teams from numerous countries)
- Topic of my project: Smart Monitoring Parking

VI. Special Skills:

Language:

- Arabic - *Native language,*
- French - *DEL F B1,*
- English - *TOFEL ITP Certificate*

Computer Literacy:

- AutoCAD, Revit.
- DiaLux, NI-LabVIEW, MatLAB.
- Programming – Microcontroller (Assembly Language)
Real Time Operating System – PLC (Ladder, Grafcet, Structure Text)
Operating System - High-level language (JAVA)
- Word, Excel, PowerPoint, FrontPage.

VII. Portfolio:

Final Year Project, **USEK**

Fall & Spring 2017

- Design, Calculate & Install commercial sized PV system
- Simulation Software PVsyst
- Link: <https://www.youtube.com/watch?v=dk2zeZTHUeU>

9 months

Engineer, **USEK**

March 2016

Container: a sustainable and scalable habitat prototype

1 week

- Electrical Design (Calculate, Draw & Install) a container prototype