

# ZUHAIR BADAWI

## INDUSTRIAL ENGINEER

### PROFILE

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ADDRESS Beirut, Lebanon

### EDUCATION

**Bachelors of Engineering, Industrial Engineering** 2014 - 2018

(Last Semester GPA: 3.67)

**Final Year Project:** Developed a simulation-based assessment and decision support system for analyzing the performance of Beirut International Airport, studying the expansion project and testing different policies.

**Honors List** (Fall 14 - Spring 15 - Fall 17 )

**Distinction List** (Fall 16 - Spring 17 - Spring 18)

### SKILLS

#### Computer Skills

SQL - PGSQL - R -  
Tableau - QlikView -  
Java - Python - Android  
App Development -  
CAD (Solidworks  
- MicroStation -  
AutoCAD) - Office - SAS  
and JMP - SPSS  
Software - Simulation  
(Anylogic - Arena -  
FlexSim - Simio) -Lingo  
- Matlab - Web  
Development  
(HTML/CSS, Javascript,  
MySQL, PHP,)

#### Languages

English (IELTS Band 8)  
Arabic (Native)  
Spanish (Beginner)  
French (Beginner)

#### Knowledge Areas

Operations Research  
and Management -  
Lean Manufacturing -  
Quality Control -  
Logistics - Supply  
Chain Management -  
Energy Systems -  
Project Management -  
Analytics -  
Instrumentation

#### Soft Skills

Communication  
Adaptability  
Team Work  
Problem Solving  
Critical Observation  
Leadership

### INTERESTS

Charity and Volunteering (Lebanese Red Cross  
[2013 - 2015] - Reading & e-learning - Urban  
Cycling - Swimming

### EXPERIENCE

07/2019 - PRESENT

#### Technical Business Analyst | GlobeMed

Developing the data and business requirements to build data-driven decision-support and analytical products.

12/2018 - 06/2019

#### Industrial Engineer | Safa Group Marble and Granite

##### Implementing Lean Six Sigma and Building a CMMS

Transforming the manufacturing setting through implementing lean techniques and Six Sigma, and building a customized Computerized Maintenance Management Software expected to decrease machine breakdown rate by 60%

06/2017 - 07/2018

#### Data & Simulation Analyst | LSE

##### Computed Key Performance Indicators for US health insurance companies.

Completed a healthcare study that aims at quantifying and benchmarking hospitals' performance across the US using PostGreSQL and various software, for health insurance companies to use in designing their policies and pricing strategies. Built a simulation-based Decision Support System for one of the top hospital chains in the US.

04/2018 - PRESENT

#### Founder & Manager | Vector Intel

##### Building a healthcare product

Managing a Startup consisting of engineers and programmers and developing a unique healthcare web app.

10/2016 - 08/2017

#### Research Assistant | School of Engineering

##### Researched delivering treatment for traumatic disorders in war-torn middle east regions.

Researched treatment techniques for war trauma like PTSD and analyzed the feasibility of establishing treatment centers in the middle east's wartorn areas.

05/2017 - 07/2017

#### Engineering Intern | Dar Al Handasah

##### Developed a Simulation Model for a major refining plant.

Created a data-driven simulation model for one of the company's major projects (Arab Potash Co.) to better understand and optimize it, and assisted the senior engineers in pipe systems design, stress analysis and other tasks.

2012 - 2015

#### Sales Assistant | BE Home Appliances

Increased Sales by 18%