

Zaven Tortian

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Education

Lebanese American University – Byblos

August 2016 – June 2022

Bachelor's Degree in Engineering, Mechanical Engineering

Final Year Project: Drag Reduction of Airfoil

- Design of an airfoil with dimples and grooves to passively delay flow separation and reduce drag using SolidWorks and Ansys Fluent.

Melankton & Haig Arslanian College, Lebanon

October 2002 – June 2016

French Baccalaureate – GS

Work Experience

Lorasev S.A.R.L., Roumieh, Lebanon

Part-Time Employee

September 2021 – June 2022

- Conducting research to know how to design and manufacture a peanut butter grinding machine.
- Designing and drawing parts and assemblies of food processing machines such as Filling, Peeling and Tahini Stone Mill machines using SolidWorks and AutoCAD.
- Obtaining technical and financial quotations from potential suppliers through calls and emails.
- Presenting designs, samples and final work to customers for evaluation.
- Preparing project status reports and tracking the quality and speed of production.
- Conducting research to know how to design and manufacture electric food dehydrators.

Internship

June 2020 – August 2020

- Designing and drawing parts and assemblies of food processing machines such as Bowl Elevators and Powder Mixers using SolidWorks and AutoCAD.
- Conducting audits with the preventive maintenance team on already installed machines.
- Contributing to the preparation of the Instruction Manual for a Powder Mixer.

National Instruments, Yerevan, Armenia

June 2021 – August 2021

Internship

- Designing and 3D printing an Enclosure for the temperature and humidity sensor that the company has developed, using SolidWorks.
- Designing and 3D printing a supporting structure to mount a sensor on the back of the PXI fan, using SolidWorks.
- Attending LabVIEW Core 1 and Core 2 Course Trainings to learn how to read, understand, debug, troubleshoot, and create LabVIEW application.
- Designing and drawing Vehicle Radar Test System (VRTS) chamber using SolidWorks.

Algorithm S.A.L., Zouk Mosbeh, Lebanon

June 2019 – August 2019

Internship

- Preparing System Operating Procedures and Installing Reverse Osmosis equipment.
- Conducting daily checkups of boilers and chillers as well as monthly checkups of fire protection system.

M.T. Tools, Baouchrieh Lebanon

June 2016 – August 2016

Internship

- Preparing inventory management of the stock as well as Managing sales and orders.

Certifications and Extracurricular Activities

- *Certified SolidWorks Associate* (Dassault Systèmes) 2021
- *American Society of Mechanical Engineers (Club Member)* 2019 – 2022
- *Armenian Heritage Club of LAU (Club Secretary)* 2019 – 2020
- *LAU Table Tennis Varsity Team Member (Traveling to Madrid to partake in tournaments on behalf of the LAU varsity team)* 2016 – 2022

Skills

- | | | |
|--------------|-----------|--------------------|
| • SolidWorks | • MATLAB | • Teamwork |
| • AutoCAD | • Python | • Microsoft Office |
| • Ansys | • LabView | • Primavera |

Language

- | | | | |
|--------------------|-----------------|-------------------|-----------------|
| • English (Fluent) | Arabic (Native) | Armenian (Native) | French (Fluent) |
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