Sevag Yahnian

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EDUCATION

Lebanese American University — Byblos, Lebanon
Bachelor of Engineering - Mechanical Engineering with Minor in Business; GPA: 3.44 — 2018 - Present

M. and H. Arslanian Armenian College — Mezher, Lebanon
French Baccalaureate - Speciality in Mathematics with honors "assez-bien" — 2003 - 2018

EXPERIENCE

Armbionics - Xbionics LLC — Nor Nork, Armenia
Mechanical Engineer — June 2022 - September 2022
- Researched the Biological features of dogs and accordingly designed a prosthetic leg for the dog
- Researched and found alternatives to 3D scanning
- 3D reconstructed the leg of the dog
- Designed, sliced and 3D printed parts

Pro-Cut - Tomad International Inc. — Hamriyah Freezone Warehouse, Sharjah, UAE
Mechanical Engineer — January 2022
- Inspected the crating, packaging and accessories of B-17s Brake Lathe
- Inspected the electronic control module and control box including electrical wiring of motor and safety examination of ground throughout the B-17 brake lathe and correct operation of the sensors
- Inspected with a dial gage the lateral runout of the B-17 arbor shaft
- Inspected the adjustments on the feed mechanism, gear belts and motor clutch tolerance
- Inspected the quality of the rotor and drum cut by operating the brake lathe through complete work cycle
- Repackaged, strapped, and reported all findings and issues encountered during the full operation

YEA Engineering — Nor Nork, Armenia
Mechanical Engineer — June 2021 - August 2021
- Completed the LabVIEW™ Core I and Core II courses
- Developed the Human-Machine interface of a test stand using LabVIEW™
- Simulated the environment of a product using MATLAB®
- Designed a test stand for a printed circuit board (PCB) and a silicone injected Mold using SOLIDWORKS

Gandour — Choueifat, Lebanon
Mechanical Engineer — December 2020 - January 2021
- Supported maintenance team with technical problems, root cause analysis and reporting
- Designed a cooling room for caramel-based product manufacturing line using SOLIDWORKS
- Prepared a supply chain tool to calculate optimum containerization load (excel VBA based)

PROJECTS

- **Smart Wearable Glove**: Glove controlled robotic hand. Tech: Arduino, 3D Printing, SOLIDWORKS, Ultimaker Cura
- **VR Meditation Environment**: VR environment for meditation. Tech: Aframe, Blender, TinkerCad
- **Color Tracking Turret**: 2DOF Turret for color tracking. Tech: Raspberry Pi, Python, OpenCV, 3D Printing, Ultimaker Cura
- **LAU Case Competition**: Solved different cases for companies such as EY, Leo Burnett, and Unilever. Researched about different contemporary issues and topics. Came up with different solutions in a very limited amount of time to the issues proposed by the companies. Tech: PowerPoint
- **ASME LAU Competition with Ecoserv (Placed 2nd)**: Tasked to come up with a product where recyclable plastics can be used. Designed a small room made entirely of recyclable plastics for the refugees and the homeless. Completed a stress and cost analysis. Tech: SOLIDWORKS, Excel
- **Ventilated Face Mask - LAU**: Researched about ventilated face masks for athletes. Designed the attachments necessary to do the testing of the face mask's equipment on SOLIDWORKS. Tech: SOLIDWORKS, Excel

SKILLS SUMMARY

- **IT**: JAVA, Python, VBA, SOLIDWORKS (CSWA Certified), Ansys, EES, Arduino, LabVIEW, Matlab, Simulink, AutoCAD, Ultimaker Cura, Excel, Word, PowerPoint
- **Languages**: English- Full Professional Proficiency , French- Full Professional Proficiency, Arabic- Full Professional Proficiency, Armenian- Native Language

LEADERSHIP EXPERIENCE

- Administrator of the American Society of Mechanical Engineers club of LAU - 2022-2023
- Off-campus officer of the American Society of Mechanical Engineers club of LAU - 2021-2022
- Vice president of the Armenian club of LAU 2020-2021
- President of the Armenian club of LAU Byblos 2019-2020