

# Anna-Jane Nazarian

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## EDUCATION

*Lebanese American University, School of Engineering*

*(Aug. 2018 – Sep. 2023)*

Bachelor of Engineering in **Mechatronics Engineering** (B.E. in MCE)

## EXPERIENCE

### Student Assistant

*(Aug. 2018 – Dec. 2019)*

*Provost's Office & Financial Aid Office Lebanese American University – Byblos Campus*

- Assisted the financial aid officers and the provost's assistants with tasks in the office and around campus as part of the work-aid package.

## PROJECTS

- **Playing Card Sorting** rover that sorts cards based on their suits using Raspberry Pi, Python, OpenCV, & Solidworks.
- **Multi-Agent Adversarial Vacuum Cleaner Agent** using Java that implements the intelligent search algorithms Minimax, Alpha Beta Pruning, and Expectimax.
- **Fire forest & pest detecting device** as a solution to deforestation and forest degradation using LabVIEW and NI MyRIO.
- **Green Room:** create an automation system to control the temperature, light, water, and security in a plant room as analog circuits using Cadence PSpice and modeled the PCB on EasyEDA.
- **Oil Drilling Rig** kinematic analysis calculations by hand, simulated on Matlab and 3D modeled on Solidworks.
- **Lebanese Mediation WebVR** app that simulates different religious spaces, meditation places, and natural environments in Lebanon, developed as part of the Introduction to AR & VR course final project using the A-Frame library, HTML, and CSS.
- Capstone Project (*in progress*): **Harsh Environment Robot** using the Klann Walking Mechanism in ROS, Solidworks, and Raspberry Pi.

## LEADERSHIP

### Committee Member of Center

*(May 2021 – Present)*

*Lebanese Red Cross – Youth Sector, Jbeil Center*

- General Assembly member since 2018, having participated in activities that include educating the youth and providing awareness on humanitarian values and principles, health, and the environment, as well as local activities for the improvement of the community.
- Served as the Media and Public Relations committee member for a year.
- Currently serving as the Secretary of the center.

### Trainer

*(May 2022 – Present)*

*Lebanese Red Cross – Youth Sector – Beirut*

- Completed facilitation training in the Youth & Health manual, and the General Training course, with the capacity to give training following international standards. And completed the Applied Trainers Course in the new manual "My Health is a Priority".

### Board Member

*(Aug. 2022 – Present)*

*IEEE Section at the Lebanese American University – Byblos Campus*

- Responsible for collaborating with other board members to develop and implement a vision for the club, and work on relevant events.

### President & Board Member

*(Aug. 2020 – Aug. 2022)*

*GSC at the Lebanese American University – Byblos Campus*

- Led a team of 5 board members and bi-weekly meetings for over 100 members.
- Communicated with NGOs and professionals in the fields of physical and mental health to hold seminars and webinars on campus & online and raise awareness on many contemporary social issues.

### Core Team Member

*(Sep. 2021 – Aug. 2021)*

*Google Developer Students Club*

- Planned and organized events related to software development and computer science & engineering topics with the team and under the supervision of the lead.

### Scouts

*(Nov. 2017 – Dec. 2021)*

*Scouts du Liban – Club Amchit, Jbeil*

- Member of the SDL for 10 years, assistant chief for cub girls for 2 years, and their chief for a year.

## SKILLS

- **Certifications:** CSWA in Solidworks by Dassault Systèmes, Fusion 360 Integrated CAD/CAM/CAE by AutoDesk  
Fundamentals of Deep Learning by NVIDIA, Introduction to SQL by DataCamp
- **Languages:** Arabic (Native), English (Fluent), French (Proficient)