

# Safaa Al Rammal

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## PERSONAL INFORMATION

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- Gender: Female
- Nationality: Lebanese
- Date of birth: 21/10/2000

## EDUCATION

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- American University of Beirut, Bliss, Lebanon
- **Bachelor of Science, Computer Science / Minor in Bioengineering 2018-2021**
- Cumulative GPA: 3.3 / 4.0

## Scholarships & Awards

- Naji and Hiba Kassir Scholarship (65%) **2018-2021**
- AUB Tomorrow's Leaders Gender Scholars Program (TLS) scholarship **2019-2020**

## EXPERIENCE

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### *American University of Beirut (AUB), Lebanon*

- **Projects January 2018- November 2021**
  - **Flutter and raspberry pi (application / robotic):** leading a team of four we designed and developed a home security application available on Android (coded **with flutter**). The application is connected via the internet to a smart doorbell device provide with an infra-red camera and motion detector, build on a **raspberry pi coded in python**. The application provides livestream, notification when bell is ringing or motion is detected, the option to take screen shots or video recording all stored on the local device.
  - **Android application:** leading a team of three we designed and developed lost and found application for AUB. The application is build using **Android studio**, to help AUB students to report lost or found items around the campus. By filling basic description of the item and uploading an image if available. With a well-developed algorithm to match lost and found items connected to a data base (**phpMyAdmin**).
  - **Website project:** leading a team of three we developed MyTube a website similar to YouTube for uploading, managing, and watching videos around the world. Used tools (Html, CSS, Java script, php json)
  - **Final Year Project:** working as a team of three we developed a portal for an organization (Irshad -Islah). Through the portal social works can manage orphan sponsorships including orphan's data, reports, sponsors. In addition to a well-developed algorithm to notify the users when about new sponsors, updating data, transferring orphans' files to another departments (health aid, educational aid.). tools used (Html, CSS, Java script, php, json and React)
- **Research January 2020- November 2021**
  - **Deep Learning Algorithms:** Conducted research on different deep learning algorithms and models used for diabetic retinopathy including (AlexNet, GoogleNet and VGG16) comparing their differences, challenges, and limitations.
  - **Deep Brain Stimulation:** Conducted research on nervous system disorders focusing on Parkinson's disease symptoms and how effective is DBS surgery in reducing essential tremors and controlling irregular signal sin parts of the brain (FDA, STN, GPi).
  - **Electrodermal Activity:** Conducted research on how COVID-19 can cause neurological distribution and the possibility of implementing a device to monitor neurological distribution from measuring electrodermal activity (EDA) alone to help with the COVID-19 side effects.
  - **ECoG Technology for Seizure Detection:** Conducted research on the clinical Application of Extra and Intra operative ECoG Technology to localize epileptogenic zones.

## WORK EXPERIENCE

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- **Geek Express (Project Coordinator) Feb 2020 – Present**
  - Coordinate project management activities, resources, equipment and information
  - Break projects into doable actions and set timeframes
  - Liaise with clients to identify and define requirements, scope and objectives
  - Assign tasks to internal teams and assist with schedule management
  - Make sure that clients' needs are met as projects evolve
  - Help prepare budgets
  - Analyze risks and opportunities
  - Oversee project procurement management
  - Monitor project progress and handle any issues that arise
  - Act as the point of contact and communicate project status to all participants
  - Work with the Project Manager to eliminate blockers
  - Monitor working hours, plans and expenditures
  - Issue all appropriate legal paperwork (e.g. proposals, contracts and terms of agreement)
  - Create and maintain comprehensive project documentation, plans and reports
  - Ensure standards and requirements are met through conducting quality assurance tests
  - Projects that I worked/working on include:
    - Youth for Sustainability skill up app and web platform development
    - RQ Century Coder admin portal enhancement
    - Coordinate tech Competitions to include Sharjah local WAICY (our team won first place) & FOCP Ana-vation Competition
    - Coordinate more than 6 tech camps with the latest ed-tech in UAE, KSA & Gambia
- **Irshad and Islah charity (Program Manager) Jun 2020 - Feb 2022**
  - Daily program management throughout the program cycle.
  - Defining the program governance (controls).
  - Planning the overall program and monitoring the progress.
  - Managing risks and issues and taking corrective measurements.
  - Managing stakeholders' communication
  - Managing the main program documentations
- **Geek Express (Trainer) Mar 2021 - Feb 2022**
  - Training students designing, developing, and testing Android application
- **AUBMC (Trainer) February 2019-April 2019**
  - Introduced a health care application (My chart) for staff and patients
  - Activated users accounts and trained them on using the application features and functionalities
  - Submitted a report of the staff and patients' feedback about the application and observations

## SKILLS

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- **Language:** Fluent in English, and Arabic
- **Software:** Programming (java script, HTML, C++, CSS, XML, python, Visual Basic, flutter, Arduino, raspberry pi, Kotlin, Swift), Microsoft Office Full Suite
- **Attended workshops at AUB:** Balance work life - Interview skills - Leadership Critical thinking -Body language -Time management

## EXTRACURRICULAR ACTIVITIES

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- Assisted several households affected by the **Beirut blast on August 4** by replacing damaged windows, as well as providing food for many people now homeless as a result of the aftermath **2020-2021**
- Volunteered at **Dar al Aytaam** organization in planning and implementing educational activities for orphans and widows. **2019-2020**
- Attended the **First Aid Responder** team and successfully completed the First Aid and CPR **2018-2020**
- **Lebanese Red Cross** course held at the American University of Beirut

- Attended the blood donor database committee at the **Lebanese Red Cross** by contacting individuals to get blood donations for emergency requests **2018-2020**
- Volunteered at **Al Khar organization** in data entering and cause marketing **2018-2019**
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#### **CERTIFICATION**

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- *Aiming on perusing the PMP (Program Manager Professions) after I meet the required years of experience*
- All Girls Code LAU: Placed the Second in a java coding competition October 2019
- Science contest held by the National Science and Research Authority: build and presented a mechanical shoe cleaning machine to reduce bacterial transfer December 2018
- Kamal Yousef Hajj Award: Intellectual Creativity in Philosophy and Education August 2018
- The annual competition of the Commission on Women's Rights in cooperation with the Ministry of Education and Higher Education December 2016