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EDUCATION

2014 – Present: B.E in Computer Engineering at *Lebanese American University* – Lebanon

Subjects Include:

- | | |
|---------------------------------|--|
| - Data Structures | - Logic Design |
| - Image Processing | - Microprocessors |
| - Control Systems | - Communication Systems |
| - Information and coding theory | - Digital Systems |
| - Computer networks | - Intelligent Data Processing and Algorithms |
| - Embedded Systems | - Operating Systems |
| - Software Engineering | - Database System |

2016 - 2016 : Android Basics Nanodegree at *Udacity*

2000 - 2014 : Lebanese Baccalaureate at *Beirut Modern School* – Bir Hassan, Lebanon

WORK EXPERIENCE

August 2018 – December 2018: Research and Development Internship, at *REACT Lab*, Ecole polytechnique fédérale de Lausanne – Lausanne, Switzerland

- Full stack developer focusing on generating and visualizing web analytics in the context of Go-Lab's European research project
- Implement an offline ready desktop application for an educational platform and enhance its mobile application

June 2018 – July 2018: Software Developer Internship, at *Murex Systems* - Beirut, Lebanon

- Enhancing the team's CI/CD approach and implementing a one-click deployment system
- Integration testing
- Load Testing

September 2016 – May 2018: IT Support Assistant, at *IT Support Department*, Lebanese American University - Byblos, Lebanon

- Helping in daily IT related problems
- Restoring and backing up computer images
- Diagnosing and fixing problems with desktops, scanners, printers
- Problems research and technical investigation along with solutions

September 2013 – Present: Freelance Web Developer, at *4pixelz*, Beirut, Lebanon

- Develop websites for companies including domain registration and hosting
- Managing clients' emails and adding content

June 2016 – July 2016: Mobile Developer Inten, at *Integrated Digital Systems (IDS)* – Beirut, Lebanon

- Learning the basics of android development
- Implementing an android application for a news agency

September 2014 – August 2016: Library IT assistant, at *Riad Nassar Library*, Lebanese American University - Beirut, Lebanon

- Helping students and teachers in their daily computer problems
- Restoring system images along with group policies for Windows 7 and 10

CERTIFICATIONS

- Lebanese American University Model United Nations participant (2012)
- Distinction List and Honor List of the School of Engineering

MEMBERSHIPS

September 2016 – Present: Member of the Robotics Club – Lebanese American University

- Participate in activities and workshops related to robotics

September 2016 – Present: Member of the IEEE Student Branch / Membership Committee – Lebanese American University (*Member #94079190 – Lebanon Section*)

- Participate in seminars and workshops

PORTFOLIO & PROGRAMMING LANGUAGES

Patient Digital Assistant (2018):

- **Platform:** Android, PC, PIC hardware applications
- **IDE and Tools:** Android Studio, Eclipse, Robo3T, MPLAB, OpenCV, MATLAB
- **Languages:** Java, C
- **Poster:** <https://goo.gl/uEkUtu>
- **Promotional Video:** <https://youtu.be/5cc0IMN6Rv0>

Reviving the Bang Bang Game (2017):

- **Platform:** Android and Desktop Application
- **IDE and Tools:** Eclipse, Gluon Mobile
- **Languages:** Java

Rover Track Follower by Visual Commands (2017):

- **Platform:** Raspberry pi, PIC
- **IDE and Tools:** MPLAB x, Python 3, TightVNC, OpenCV
- **Languages:** C, Python

DNA Sequence Differencing, Patching, and Agglomerative Clustering Tool (2017):

- **Platform:** JavaFx Application
- **IDE and Tools:** Eclipse, JavaFX, Git
- **Languages:** Java, XML
- **GitHub link:** https://github.com/hasanagh/DNA_Agglomerative_Clustering

Housemate technician and user linker (2016):

- **Platform:** Android Application
- **IDE and Tools:** Android Studio, phpMyAdmin, WampServer
- **Languages:** MySQL, PHP, Java

Beirut Tourism Guide (2016):

- **Platform:** Android Application
- **IDE and Tools:** Android Studio
- **Languages:** Java

Skills

Languages:

- Fluent in Arabic and English: spoken, read & written
- Basic knowledge in French