

Education and training

- **Higher National School Of Computer science (ESI)** - Oued Smar, Algiers, Algeria
 - Master degree in Software engineering - September, 2015 to June 2020 (Expected graduation date)
 - **Current position:** 4th year software engineering student
 - **Cumulative GPA:** 3.33 (12.58/20, french system)
 - **Key courses:** Algorithm and data structures, theory of programming, operating systems, computer architecture, high performance computing, software modeling, databases, linear algebra, probability, data analytics.
 - **technical skills:**
 - **programming languages and environments:**
Java, C, Javascript, kotlin, SQL, OpenMP, MPI (Message Passing Interface), Cuda.
 - **Software tools**
Version control (Git) , Software testing (JUnit) , Code reviewing (Sonarqube) , Continuous Integration (Jenkins), Build tools (Gradle)

Experince

- **January 2018 - December 2018** information geographic system desktop application - School project
 - **programming languages and tools:** React js, Openlayers api, Jsts api, Electron js
- **August 2018** Pilgrims Bluetooth SOS Android application - Hackathon El-Hajj, Jeddah, Saudi arabia
 - **programming languages and tools:** Kotlin, RxJava, Android BLE
 - **personal work:**
 - Implmenting a bluetooth low energy GATT server and client on Android.
- **Juin 2018 - July 2018** Smart home virtual assistant Android application - CERIST intern, Algiers, Algeria
 - **programming languages and tools:** Kotlin, RxJava, Android BLE, Dialogflow api
 - **personal work:**
 - Implmenting a bluetooth low energy GATT client on Android .
 - Designing the virtual assistant conversation flow with dialogFlow Api
 - **accomplishments**
 - Building a reactive user speech/BLE commands processing with RxJava.
 - Improving device BLE connection lifecycle to the Broadlink using MVVM architecture and Android Architecture components.
 - Building a high level application adapted BLE api to be easily integrated with the AR module.
- **February 2018** Google Hash code self driving rides - Google Hashcode coding competition
 - **programming languages and tools:** Python
- **December 2017** photography image gallery Android application - Personal project
 - **programming languages and tools:** Java
 - **accomplishments**
 - Building a lazy load infinite list to retrieve images from a web RestFul API improving network and memory usage.
- **February 2017 - May 2017** Medical plants image recognition Android application with OpenCV
 - **programing languages and tools:** Java
 - **personal work:**
 - Designing and building a the UI and camera module

Additional information

- **Google Developers Group Algiers Co-manager**

- HR manager 2018-2019.
- HR manager 2018-2019/ Community manager 2017-2018.
- Google Cloud Next 2018 invitation as one of the top 3 GCP studyJums trainer in the Mena (Middle East North Africa) region.
- GDG DevFest Algeria center event manager.

- **Technical Articles** - Medium

- Android... the theory of everything
- Build an Android application logging system : part 1, part 2, part 3

- **Presentations and workshops** - GDG events

- What's sweet about Android Pie - GDG DevFest Algiers, October 2018
- What's new in Android - Google i/o18 Extended Algiers, May 2018
- Google cloud Kubernetes - GCP studyJums , February 2018
- Android architecture component - GDD India extended, Algiers, February 2018
- Firebase ... an application from scratch - GDG DevFest Algiers, December 2017