

# Mohammad Zeineldeen

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Date of Birth: 18 Nov. 1995

## Education

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### RWTH Aachen University

*Masters in Software Systems Engineering*

**Aachen, Germany**

*Winter 2017 - Summer 2019*

### American University of Beirut

*Bachelor of Science in Computer Science awarded with Distinction*

**Beirut, Lebanon**

*Fall 2014 - Spring 2017*

## Research Interests

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Recurrent networks, LSTMs, end-to-end models, neural attention models, automatic speech recognition (ASR), natural language processing (NLP)

## Experience

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### Student Research Assistant - ASR team at RWTH Aachen

- Investigating Layer Normalization variants in different state-of-the-art ASR and NMT models such as Hybrid models and Attention models
- Studying Multiplicative connections specifically Multiplicative LSTMs

**Aachen, Germany**

*July 2018 - Current*

### Software Developer at InteractiveLife

- Development and maintenance of an Android SDK
- Refactored the code base network framework to use Google's Volley library
- Automated the process of creating apps (connected to web API to specify the content like design, colors, etc) and uploading apks to the store

**Beirut, Lebanon**

*June 2018 - Sept. 2018*

### Future Developer Summer Camp - AUB

Participated as a main instructor in preparing the slides for a beginner Android course and teaching it for school students

**Beirut, Lebanon**

*July 2018*

## Projects

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### Imgs

Imgs is an android mobile image search app that uses Deep Learning to allow users to search for images related to a specified english query in their gallery

**Beirut, Lebanon**

*Feb. 2017 - May 2017*

### Deep Learning Related Code

Source Code: <https://mmz33.github.io/code/>

### CustomVolleyRequester

A library, based on Google's Volley library, that makes android HTTP requests easier and requires no boiler plate code that volley usually needs

Source Code: <https://github.com/mmz33/CustomVolleyRequester>

**Beirut, Lebanon**

*2017*

### HopIn

Developed an Android carpooling application on a team for a Software Engineering course

Source Code: <https://github.com/mmz33/HopIn>

**Beirut, Lebanon**

*Feb. 2016 - May 2016*

## Scholarships and Certificates

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### USAID Scholarship

Awarded full scholarship to study BSc. in Computer Science at the American University of Beirut

**Beirut, Lebanon**

*Fall 2013 - Spring 2017*

### ACM - Lebanese Collegiate Programming Contest (LCPC)

Won the 1st place (Team: 1729)

**Beirut, Lebanon**

*2016*

### American University of Beirut

Placed three times on the Dean's Honor List

**Beirut, Lebanon**

*Fall 2014 - Spring 2017*

## Darwazah Student Innovation Contest

Beirut, Lebanon

Won 1st runner up award in 2017 Darwazah Student Innovation Contest.  
The idea was to compute the number of calories of food given as input an image using Deep Learning.

March 2017 - May 2017

## Computer Skills

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**Basic Knowledge:** CUDA, C, Postgresql, Html, Bootstrap

**Intermediate Knowledge:** C++11, Java, Python, TensorFlow, Android Development,  $\text{\LaTeX}$ , Git, SQL, Vim

## Volunteering

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### AUB - Center of Civic Engagement and Community Service (CCECS)

Beirut, Lebanon

- Implemented a community based project under the theme of using "Art therapy" to tackle the increase of negative coping mechanisms among children in poor neighbourhoods in Beirut and its surroundings
- Volunteered in teaching Palestinian students math skills for the SAT exams at AUB
- Participated in sorting clothes to be delivered to Syrian refugees
- Worked with D-RASSATI program in collecting data from Lebanese official schools in order to integrate technology in the educational field
- Volunteered with Nasma organization in helping students that have disabilities with their school studies

Fall 2013 - Spring 2017

## Languages

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English: Fluent

German: Fair (Level A)

Arabic: Native