Mohammad Zeineldeen

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Date of Birth: 18 Nov. 1995

Education

RWTH Aachen University **Aachen, Germany**
Masters in Software Systems Engineering *Winter 2017 - Summer 2019*

American University of Beirut **Beirut, Lebanon**
Bachelor of Science in Computer Science awarded with Distinction *Fall 2014 - Spring 2017*
GPA: 3.7/4.0

Research Interests

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

Experience

Student Research Assistant - ASR team at RWTH Aachen **Aachen, Germany**
o Investigation of Layer Normalization variants in different state-of-the-art ASR *July 2018 - Current*
  and NMT models such as Hybrid models and Attention models
o Studying Multiplicative connections specifically Multiplicative LSTMs
o Implementing a CUDA version of both Layer Normalization LSTM cell and
  Multiplicative LSTM cell

Software Developer at InteractiveLife **Beirut, Lebanon**
o Development and maintinance of an Android SDK *June 2018 - Sept. 2018*
o Refactored the code base network framework to use Google's Volley library
o Automated the process of creating apps (connected to web API to specify the
  content like design, colors, etc) and uploading apks to the store

Future Developer Summer Camp - AUB **Beirut, Lebanon**
Participated as a main instructor in preparing the slides for a beginner Android course *July 2018*
and teaching it for school students

Projects

Imgs **Beirut, Lebanon**
Imgs is an android mobile image search app that uses Deep Learning to allow users *Feb. 2017 - May 2017*
to search for images related to a specified english query in their gallery

CustomVolleyRequester **Beirut, Lebanon**
A library, based on Google's Volley library, that makes android HTTP requests easier *2017*
and requires no boiler plate code that volley usually needs
Source Code: https://github.com/mmz33/CustomVolleyRequester

HopIn **Beirut, Lebanon**
Developed an Android carpooling application on a team for a Software Engineering course *Feb. 2016 - May 2016*
Source Code: https://github.com/mmz33/HopIn

Scholarships and Certificates

USAID Scholarship **Beirut, Lebanon**
Awarded full scholarship to study BSc. in Computer Science at *Fall 2013 - Spring 2017*
the American University of Beirut

ACM - LCPC The Lebanese Collegiate Programming Contest **Beirut, Lebanon**
Won the 1st place (Team: 1729) *2016*

American University of Beirut **Beirut, Lebanon**
Placed three times on the Dean's Honour List *Fall 2014 - Spring 2017*

Darwazah Student Innovation Contest

Beirut, Lebanon

March 2017 - May 2017

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

Computer Skills

Basic Knowledge: CUDA, C, Postgresql, Html, Bootstrap
Intermediate Knowledge: C++11, Java, Python, TensorFlow, Android Development, LATEX, Git, SQL, Vim

Volunteering

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

Beirut, Lebanon

Fall 2013 - Spring 2017

- 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

Languages

English: Fluent
German: Fair (Level A)
Arabic: Native