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

Deep Learning Related Code
Source Code: https://mmz33.github.io/code/

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**
Won 1st runner up award in 2017 Darwazah Student Innovation Contest. *March 2017 - May 2017*
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