

Bara' Al-Jawarneh

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Education

Jordan University of Science and Technology (JUST)

B.S. IN COMPUTER SCIENCE

• GPA: 3.58

Irbid, Jordan

Sep. 2015 - Sep. 2019

Experience

Machine Learning Engineer

Samsung Research and Development

Sep. 2019 - Dec. 2020

Preprocess voice data by extracting MFCC and FFT features and inject noise on the voice.

Working on speech recognition tasks using machine and deep learning techniques like RNNs and CNNs.

Data analysis and write a rule-based approach to voting among ASRs.

Assistant Secretar

Jordan University of Science and Technology

Sep. 2017 - May 2018

Work as an assistant to the department secretary in sending official papers and receiving and documenting official books.

Certifications

Full Stack Web Development: HTML, CSS, React and Node

DevSlopes by Mark Wahlbeck (Link)

Dec. 2020

Machine Learning

Stanford University (Link)

Jun. 2019

Deep Learning Specialization

DeepLearning.ai (Link)

Feb. 2019

Sequence Models

DeepLearning.ai (Link)

Feb. 2019

Convolutional Neural Networks

DeepLearning.ai (Link)

Jan. 2019

Improving Deep Neural Networks

DeepLearning.ai (Link)

Dec. 2018

Structuring Machine Learning Projects

DeepLearning.ai (Link)

Dec. 2018

Neural Networks and Deep Learning

DeepLearning.ai (Link)

Nov. 2018

Skills

Machine Learning

Logistic Regression, Neural Networks, Deep Neural Networks, TensorFlow, NumPy, Keras, RNNs, CNNs

Programming

C/C++, JAVA, JavaScript, Python, SQL, Octave, Android

Web

HTML, CSS, Bootstrap, Flexbox, SASS, React, MongoDB

Familiar with

Problem Solving, Git, Linux, LaTeX, Data crawling, cleaning and data augmentation

Honors and Awards

- Mentioned in the Dean's honors 3 times.
- AICCSA Programming Contest 2018 [9th place out of 21 teams].
- Jordanian Collegiate Programming Contest 2018 [12th place out of 121 teams].
- Jordanian Collegiate Programming Contest 2017 [25th place out of 121 teams].
- ArabellaCPC Programming Contest 2019 [5th place out of 48 teams]
- Arabella Collegiate Programming Contest 2018 [15th place out of 43 teams].
- Arabella Collegiate Programming Contest 2017 [15th place out of 43 teams].
- IEEEExtreme Competition 13.0 2019 [134th place out of 4130 teams].
- IEEEExtreme Competition 11.0 2017 [241th place out of 3350 teams].
- JUST CPC Programming Contest 2018 [5th place out of 21 teams].
- JUST Programming Contest 1.0 2018 [7th place out of 42 students].
- JUST Programming Contest 1.0 for individuals, 2017.
- Women's CodeSprint 4 by HackerRank 2017 [83th place out of 3401].
- Women's CodeSprint 3 by HackerRank 2017.

Projects

Arabic Diacritization System using Deep Neural Network

2019

Python, TensorFlow, Keras, FFNNs, RRNS

- An efficient solution for Diacritization problem in Arabic language.
- Feed-Forward Neural Network applied as an initial model and it gives good results.
- Recurrent Neural Network structure applied as second model and it's performed better than Feed-Forward Neural Network.
- Shakkelha website is one of the outcome.

Kareta

2018

Ruby, Java, Android

- A University map used to help people finding the building they want such as lecture hall, professor office and cafeteria.

ExamsAndQuizzesReminder

2017

Java, Android

- An Android application which reminds students at university or school of a specific event such as exam/quiz/event/meeting.

Publications

- Ali Fadel, Ibraheem Tuffaha, **Bara' Al-Jawarneh** and Mahmoud Al-Ayyoub. Neural Arabic Text Diacritization: State of the Art Results and a Novel Approach for Machine Translation. (Link)
- Ali Fadel, Ibraheem Tuffaha, **Bara' Al-Jawarneh** and Mahmoud Al-Ayyoub. Arabic Text Diacritization Using Deep Neural Networks. (Link)

Activities

- Solved 500+ problems in 7 different online judges.
- Judge and Problem Setter at 2019 JUST Programming Contest [Mar.2019].
- Introduction to Programming Lab Assistant [Sep.2017] : helping students learn how to create a program and how to write basic code
- Problem Solving Volunteer Trainer [Mar.2017-Aug.2017] : Trained school student for JOI Contest.