Abbass Al Hajj

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Experience

Murex Beirut, Lebanon
Software Engineering Intern May 2019 - Sep 2019

- Created and deployed a chatbot using Microsoft Bot Framework and LUIS.
- Developed and deployed an Angular website to present data scrapped from different locations in a fashionable way.

Inmind.ai Beirut, Lebanon
Software Engineer Jan 2018 - Nov 2018

- Improved a traditional labelling tool by adding self-trained and finetuned Computer Vision models and implemented a reinforcement learning algorithm to optimize its functionality.

BMW Group Munich, Germany
Software Engineering Intern Apr 2017 - Oct 2017

- Optimized the workflow in the factories by developing and finetuning Computer Vision models to autonomously detect car parts and correctly place them.
- Improved drone performance in the factories by developing Computer Vision models for obstacle detection and car parts image classification.

Ticket Lab - Antonine University Baabda, Lebanon
Software Engineering Intern Jun 2016 - Mar 2017

- Helped analyse peoples' tweets and bind them with their respective car models, to achieve the average personality insights on each car model.
- Improved different projects by implementing Apache Storm for distributed computing.

Education

Antonine University Baabda, Lebanon
BE Software Engineering *GPA: 3.0* Sep 2013 - Sep 2019

Skills

Proframming Languages:	Java, Python, C#, C++, VB.Net, Node.js, Angular
Artificial Intelligence:	Machine Learning, Deep Learning, Computer Vision, Reinforcement Learning
Chatbot:	Microsoft LUIS, IBM Watson
Splunk:	Analyzing and visualizing data, perform machine learning tasks.

Projects

Lucy *OpenCV, Python, Amazon Alexa, Microsoft LUIS, Google Speech to text, Text to Speech, Arduino, Adafruit, Ultimaker 3D printer, Restful API, Deep learning, NLP models*
A 3D printed semi-humanoid robot that can uphold a conversation and perform various tasks including distributing water, locate missing items and recognize people.

Agrymac *Android, Python, Restful API, Computer Vision, Text to speech, Cloud computing*
Android application that detects diseases on plants and trees directly from the images using Computer Vision algorithms.

Awards

Splunk-BMW hackathon participant Splunk and BMW
Developed a real-life use case in 24 hours using Splunk, Angular and machine learning. Dec 2018

Agrytech Hackathon 2nd place Agrytech
Created and presented an idea, in front of business and technical jury (Lebanese and Dutch), technical and business wise, related to the agriculture sector in Lebanon. Apr 2018

BMW hackathon participant BMW
Developed and deployed an application that detects if the user falls asleep while driving using Computer Vision, then it starts talking to him and keeps him awake using Amazon Alexa. May 2017