Kamal Raydan

Machine Learning Content Developer Intern @ Zaka

Improvise, adapt, and overcome. These are the hallmarks with which I base my work on. I am a fresh Mechanical Engineering graduate from the American University of Beirut, who enjoys a multitude of diverse disciplines, such as Robotics, Artificial Intelligence, Data Analysis and much in between. I am driven by massive amounts of curiosity and the burning need to always know more and as such; I employ my very best at tackling the obstacle at hand with perseverance and the best of my ability.

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EDUCATION

Bachelor of Engineering - BE
American University of Beirut

09/2015 - 05/2020   *Beirut, Lebanon - 3.15*
Final Year Project
- *For my F.Y.P, I decided to work on some computational fluid dynamics. The problem statement was to find out whether the methods used by animation industries, to simulate fluids, was robust enough to predict pollution patterns in Lebanon.*

High School Diploma
International School of Choueifat

06/2005 - 05/2015   *Beirut, Lebanon - 84*

SKILLS

Machine Learning   Deep Learning   Patience

Perseverance   Latex   Teamwork   Research

Python   Creo Parametric   Communication

Game Engines [Unity]   Data Science Lifecycle

PERSONAL PROJECTS

Small Bluetooth-Controlled Ground Vehicle (01/2018 - 02/2018)
- *I developed laser cut chassis with Omni-wheels and basic Bluetooth-controlled functions such as the ability to move.*
- *I also coded interactions on Arduino IDE and an Arduino based app.*

Balancing Rotary Pendulum (09/2019 - 11/2019)
- *We attempted to use classical control theory such as the root locus method and/or frequency response method with some trial and error, to help balance the pendulum.*

Machine Learning A-Z - Hands on Python & R in Data Science (07/2020 - Present)
- *On route to finishing this course that teaches me the A-Z of Machine Learning, using many ML models, to help me get a better understanding/foundation on Data Science & Machine Learning.*

WORK EXPERIENCE

Summer Research Intern
American University of Beirut

06/2020 - 07/2020   *Beirut, Lebanon*
Tasks/Achievements
- *I familiarized myself with the concept of training in a construction environment and what it means to be safe.*
- *I understood the types of technologies utilized to better guarantee worker safety on-site.*
- *I experimented on how to interface said technologies that incorporated AR/VR/AV. [Game Engines - Unity]*
- *I developed a proof of concept app showcasing an idea pertaining to the concept of safety on Unity.*

Contact: Dr. Hiam Khoury - hiam.khoury@aub.edu.lb | +961-1-340460 ext.3428

Machine Learning Content Developer Intern
Zaka

09/2020 - Present   *Dubai, UAE*
Zaka is a company built-up as a guide to help organizations break through the barrier into the world of Artificial Intelligence.
Tasks/Achievements
- *Learning M.L/D.L concepts and the frameworks associated with them (PyTorch, Scikit, TensorFlow, Keras)*
- *Creating M.L/D.L content to help Zakas mission. (Blogs, Q&A, Bootcamps, Cheat sheets and more...)*
- *Brainstorming prototypes, given client feedback, such that we can implement to better ease our clients through the process.*

Contact: Reem Mahmoud

Volunteer
IRSHAD & ISLAH

05/2019 - 06/2019   *Beirut, Lebanon*
Tasks/Achievements
- *The volunteer work was part of "Balsam" and "Irshad & Islah's yearly Ramadan food distribution project for underprivileged families in Beirut. Each family received an appropriate portion of appetizers, main dish, salad, juice, fruits, and desert, all of which was cooked and donated by housewives and restaurants.*
- *I delivered food packages prepared by selected families, to other numerous families in need, during the weekend.*

Contact: Alaa Fleifel - maf53@mail.aub.edu

ACHIEVEMENTS

Build it Weekend 2.0 (02/2018 - 02/2018)
A two day, make it & panel it-based competition.

EDC 2.0 [Engineering Design Challenge 3.0]
 (12/2016 - 01/2017)
Over the course of the winter holidays, I learned about new sensors, software needed for 3-D applications, manufacturing, and testing.

EDC 3.0 [Engineering Design Challenge 3.0]
 (12/2017 - 01/2018)
Going into the challenge a second time, we had a better idea of how to start and so the analysis and execution of the team was more efficient.

LANGUAGES

English
Full Professional Proficiency

Arabic
Professional Working Proficiency

French
Elementary Proficiency