# Fatima Kssayrawi

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## PROFESSIONAL EXPERIENCE

**Machine Learning Intern, Teelaunch, Byblos**                                    May 2023 – June 2023

- Develop a strong understanding of generative AI models, focusing on the stable diffusion model and its fine-tuned versions.
- Demonstrate proficiency in working with the ControlNet model and its practical application in generating artwork.
- Utilize prompt engineering techniques to generate responses from ChatGPT across various topics.
- Deploy successfully a text-to-speech generator as a streamlit application, showcasing effective implementation and deployment skills.

**Python Trainer, Teach for Lebanon, US Embassy**                                    March 2023 – April 2023

- Deliver Python programming sessions for 50 high school students that helped them grasp the basics of programming.

**UNHCR Digital and IT Skills Consultant, Anera, UNHCR**                                    Dec 2022 – Feb 2023

- Develop the Anera toolkit by expanding its scope to cover digital security and artificial intelligence topics.
- Conduct training of trainers (TOT) sessions, during which trainers will be equipped with the knowledge and skills needed to effectively deliver the content.

**Kids Genius Trainer, Ruwwad al Tanmeya, Canadian Embassy**                                    July 2022 – Feb 2023

- Deliver a weekly session for 16 children on how to create wooden models and incorporate electronic components and Arduino circuits into their designs.
- Spark their curiosity and passion for technology while empowering them with practical skills that will benefit them in the long run.

**Core Digital Skills Trainer, Anera, Forward Mena**                                    Sep 2022

- Deliver 50 hours of the Anera Core Digital Skills Toolkit for 25 refugees that help them acquire professional-level computer and software skills.

**MOS Trainer, Ruwwad al Tanmeya, Lebanon**                                    July 2019 – June 2022

- Deliver 50 hours of MOS each cycle for 25 high school and university students to acquire the essential skills in the job market.

## PROJECT EXPERIENCE

**Machine Learning Certification, Zaka, Lebanon**                                    Feb 2022 – June 2022

- Implement different hands-on projects to apply the fundamentals and advanced concepts of machine learning (mask detection, English-to-French translation).
- Develop a deep understanding of the lifecycle of machine learning projects, from data collection to model deployment.
- Become proficient in various methods for data cleaning and data visualization, ensuring efficient handling of complex datasets.
- Deploy various projects successfully, showcasing the ability to bring machine learning solutions from development to production.

**Pitches Semantics Analysis - Zillion Pitches , YellowX OU, Turkey**                                    May 2022 – July 2022

- Develop a model that analyzes the semantics of startup pitches, providing business founders with valuable feedback on how to improve their pitches.

**Resume Parser, University of Balamand, Lebanon** Feb 2022 – May 2022

- Led the development of a resume parser system that streamlines the recruitment process by matching job positions with the most qualified candidates.

**Machine Learning Track, Module 1: Python, Holberton School** Jan 2021 – March 2021

- Demonstrate proficiency in Python programming concepts through the completion of hands-on projects.

## EDUCATION

**University of Balamand, Lebanon** Sep 2018 – May 2022

BS in Computer Engineering, Dean's Honor List through all semesters with a GPA of 3.7

## TECHNICAL SKILLS & LANGUAGES

**Tools & Programming Languages:** Python, Java, C, Windows, Linux

**Packages:** Scikit-Learn, NumPy, Pandas, NLTK, Matplotlib, Jupyter Notebook

**Machine Learning:** Linear/Logistic Regression, SVM, Decision Trees, Clustering, Natural Language Processing, Deep Learning, Computer Vision

**Technology**: Docker, Quartus, Simulink, Multisim, LabVIEW, VirtualBox, Arduino

**Languages**: **Arabic**: *Native,* **English**: *Intermediate,* **French**: *Intermediate*

References are available upon request