Marchellino Ghorayeb

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🎓 EDUCATION

Bachelor of Science in Civil Engineering - High Honor, 07/2021 │ Famagusta, Cyprus
Eastern Mediterranean University

Post Graduate Program in Data Science and Business Analytics, Remote
Purdue University - Simplilearn (Bootcamp) ⧉

🧠 SKILLS

- Python
- R Language
- SQL (MySQL, Postgres, Microsoft)
- Power BI
- Tableau
- Microsoft Excel
- Machine Learning
- Deep Learning
- Web Scraping

💼 PROFESSIONAL EXPERIENCE AND PROJECTS

Data Science & Business Analyst Intern, *The sparks foundation* 03/2022
- Working with R, python, Tableau and Power BI.
- *Utulizing Supervised and unsupervised learning in various sectors.*
- *Exploring data to find underlying problems and use data-driven solutions to resolve them.*
- *Illustrating the data as meaningful graphs and dashboards.*

Deep Learning Models (Classification, Time series, NLP), *Project*
- Building various TensorFlow models using Sequential and Functional API models (PyTourch models as well)
- Clarifying data relationships and results through visuals.
- Understanding core concepts regarding each component, mathmatical theories and model architecture.
- *Achiving over 65% accuracy using transfer learning to identify 101 food types.*
- *Fine-tuning the model and beating the baseline with over 77% accuracy (EfficientnetB0)*
- *Visualizing the model's predictions to identify the class types that are poorly predicted.*
- **Comparing NLP models to alternatives (like sklearn) and evaluating the cost-value ratio.**

Face Detection Website, *Project* ⧉
- Learning html, css, javascript and the react framework to deploy models.
- Constructing both a front-end and back-end for practicality.
- **Adapting the employment of APIs and deploying models to production.**
- **Reading documentation and troubleshooting for extended periods of time.**

Interactive Dashboard using PowerBI, *Project*
- Combining multiple files and folders to construct the model.
- Levraging performance through best practices.
- *Crafted a fully interactive and intutive dashboard.*
- *Answering crucial questions with respect to their to their KPI.*
- *Building a flexible model through emphasizing on DAX and waterfall modelling.*

Integration of Python SQL and Tableau, *Project*
- Investigating the reasons behind absenteeism in work and how it is affected by different factors.
- *Data wrangling and preprocessing in Python. Storing and exploring the data in PostgresSQL.*
- *Establishing visuals to further understand the data and the main drivers behind absenteeism.*
- *Food poisioning played the biggest factor. Distance from work and # of children was significant too.*

New York Stock Exchange Data Analysis - Excel, *Project*
- The excel file contained data between 2012 and 2016 regarding various sectors.
- ***Devising a P&L Dashboard & Forecast sheet with an interactive interface.***
- ***Summarising the data along with statistical summaries and illustrations.***
- ***Formulating a synthesis e.g Real Estate outgrowing all other sectors with a growth of 11.34%.***

🗂 CERTIFICATES

- McKinesy Forward Program
- Databases and SQL for Data Science with Python ⌐
- IBM - Python for DS, AI & Development ⌐

🌐 LANGUAGES

Arabic	● ● ● ● ●	English	● ● ● ● ●
Japanese	● ● ● ○ ○	German	● ● ○ ○ ○

💼 PREVIOUS EXPERIENCES

Civil Engineer, *Scad Software Production*   02/2021 – 09/2021 │ Beirut, Lebanon
- Drafted, designed and computed executive plan layouts for buildings. Results and calculations were documented in word and excel.
- Accelerated coordination with a senior structural engineer, leading to higher productivity.
- Established self-discipline for remote work.

- **Pioneered solutions for potential problems during the design stage of the layouts.**
- **Enabled swift revisions to adjust to the client's needs, saving 20% more time through flexible working templates.**
- **Engineered cost-effective heating ranging from 25%-30%.**

Civil Engineer Intern - Group leader, *Tüfekçi Group*   07/2020 – 09/2020 │ Haspolat, Cyprus
- Oversaw sections for quality control as outlined in the architectural plan, in collaboration with other interns.
- Improved and advanced in various civil engineering fields and performed lab tests.
- Formulated reports regarding recycled materials, site progress, quality control and worker salaries.

- **Actively resolved multiple problems on the spot.**
- **Substantially lowered costs by 20% for future projects through recycling materials.**
- **Investigated the compatibility of a given soil sample through a variety of tests and enacted the carrying on of the proceedure.**