Ahmad HAMZE

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AI Intern at Ubility - Tripoli-Lebanon

November 2020/February 2021 (3 months)

AI Engineer
Domain : Machine Learning
Client : Mr. Usta (UAE)

- Visualize the data provided by the client and analyze it
  — Data handling made using Pandas.
  — Data visualization made using Seaborn and Matplotlib .
- Build a recommender system to promote buying new products
  — Construct unsupervised machine learning models, specifically a hybrid system using different collaborative filtering models.
  — Models are constructed using Scikit-learn and use object-oriented principals.
  — Conduct testing to measure the model's performance.

Environment : Jupyter notebook, Google Colab

Web/app course at TEC–Tripoli-Lebanon

July 2020/October 2020 (4 months)

Web development

- Customization of the nebular toolkit using Angular.
  — Create a new ng2-smart-table receiving data from a MongoDB using express.
  — Create dynamic charts synchronized with the table.
- Customization of the CoreUI toolkit using React.
  — Create new tables receiving data from a JSON file.
  — Create dynamic charts.
- Create a new Odoo application.
  — Create a library app with different access rules.
  — Implement the logic to identify the validity of the ISBN of a certain book.
  — Create a library client application using xml-rpc.

Environment : Ubuntu, VS Code

Internship at ITS–Tripoli-Lebanon

March/June 2020 (4 months)

Quintiq Algorithm Expert
Domain : Supply chain planning and optimization

- Follow an extensive E-learning program to learn the Quintiq platform, this includes
  — The Quintiq application.
  — The Quintiq business logic editor, which uses the Quill object-oriented language.
  — The Quintiq windows client designer.
- Build a Quintiq application to manage the manufacturing process of a simulated company
  — Create the business logic for the different steps of production.
  — Build an interactive user interface.
  — Demonstrate the efficiency of the application using key performance indicators.
- Build an optimizer for an application to minimize the costs of production and delivery of a product
  — Create and implement an optimization algorithm.
  — Demonstrate the effectiveness of the optimizer by beating five benchmarks within time.

Environment : Quintiq development

Contact : **asardouk@dtp.ae**

Languages & Tools

C++	Python	Javascript	Angular	React	Odoo
Git	Jupyter notebook	MongoDB	PostgreSQL		

Education

University of Bordeaux, Faculty of science and technology.
Master 2 Applied Mathematics, "Analysis, PDE and Probability", June 2018.