

Ahmad HAMZE

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Personal Website

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Front-end web developer

March 2021/May 2021

Front-end web developer (Part of a Team of 4)

Domain : Web development

Client : Mithaq (Saudi arabia)

- Build the UI for the website
 - Build the react components
 - Create a story for each component
- Connect the front-end to the back-end
 - Fetch data from the back-end (Django) and display it on the front-end using axios
 - Sending data from the front-end to the back-end

Environment : React (TypeScript), Material UI, Storybook, Github

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.