

Yahya Abi Haidar

Software Engineer

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Profile

Lebanese University Computer Science graduate with a passion for coding. Experienced in machine learning, web and app development, databases, networking, and working in teams. Knowledgeable in user interface, testing, and debugging processes. Bringing forth expertise in design, installation, testing and maintenance of web systems. Dedicated, deadline oriented, and eager to self-teach or accept mentor-ship to fit any requirements.

Work experience

Machine Learning Engineer

Oct 2020 - Present

[EverteamGS-Intalio, Naccache, Mar Mansour Street Beirut Lebanon](#)

- Applies supervised and unsupervised learning techniques for solving pattern recognition problems (detection, classification, regression).
- Maintain and improve machine learning models in production and build new ones.
- Prepares datasets to train and validate models.
- Research and implement appropriate ML algorithms and tools.
- Build and train statistical/machine learning models.
- Turns raw data into structured data.
- Communicate and explain complex processes to people who are not programming experts.
- Analyse large, complex datasets to extract insights and decide on the appropriate technique.
- Research and implement best practices to improve the existing machine learning infrastructure.
- Implement high quality, high performance code.
- Documents and presents the work in a complete and consistent way.
- Understand business objectives and develop models that help achieve them, along with metrics to track their progress.
- Analyze the ML algorithms that could be used to solve a given problem and rank them by their success probability.
- Analyze the errors of the model and design strategies to overcome them.

Full Stack Software Engineer

Oct 2019 - Oct 2020

[EverteamGS-Intalio, Naccache, Mar Mansour Street Beirut Lebanon](#)

- Develop, test and implement new software programs.
- Work with UX Designers, Architects, and other Developers to implement full stack web solutions.
- Design and update software database.
- Test, maintain and recommend software improvements to ensure strong functionality and optimization.
- Independently install, customize and integrate commercial software packages.
- Identify ideas to improve system performance and impact availability.
- Analyze user requirements and convert requirements to design documents.
- Make good technical decisions that provide solutions to business challenges.
- Compile timely, comprehensive and accurate documentation and or reports as requested.
- Possess up-to-date knowledge of technological developments in the industry.
- Possess strong problem solving and decision making skills while using good judgment.
- Multi-task and change from one task to another without loss of efficiency or composure.
- Performance tuning, improvement, balancing, usability, automation.
- Software testing and quality assurance.
- Front end graphical user interface design.
- Full life cycle application development.
- Integrate software with existing systems.

Software Developer Intern

July 2019 - September 2019

Curly Brackets SARL, Horch Tabet, Centre Group Bldg, 6th Floor, Beirut

- Developing projects using Angular framework and ASP.Net Web API.
- Collaborating with and across Agile teams to design, develop, test, implement, and support technical solutions in a full-stack development tools and technologies.
- Collaborating with the stakeholders, the users, the build team and other development partners to implement state-of-the-art user experiences.
- Participating actively in discussions, presentations and decisions about front end development, web application, mobile app etc.
- Building Angular project from scratch.
- Learning CSS tricks.
- Working across a team.
- Managing tasks and role.

Education

Bachelor of Science in Computer Science

9 2016 - 8 2019

Lebanese University- Faculty of Sciences , Hadath Campus

- Member at large in the LU Computer Science Club.
- Certification Of Appreciation:For outstanding contribution as a volunteer in the first International Conference on Big Data and Cybersecurity Intelligence(BDCSIntell'2018) at the Lebanese University.

Skills

Professional skills

- HTML
- CSS
- JavaScript
- JQuery
- WordPress
- WebServices
- Angular
- Node.js
- AWS (EC2 and S3 services)
- Data Modeling and Evaluation
- Natural Language Processing
- Cross-platform mobile app development using Cordova
- Object Oriented => • Java (Primary Language)
- Agile processes
- Microservices development
- Status tracking tools (Jira and Rally)
- Practical knowledge of SQL, MSSQL, NoSQL and database concepts

Soft Skills

- Excellent communication skills
- Multitasking
- Adaptability
- Creativity
- Teamwork
- Strong collaboration skills
- Time management
- Approachability and Helpfulness Analytical & Problem Solving Skills

Accomplishments

- Foundations of Computer Science (SE Factory) [See credential](#)
- Introduction to Artificial Intelligence (IBM) [See credential](#)
- Python course certification by UNIVERSITY OF MICHIGAN:
 - Getting Started with Python. [See credential](#)
 - Python Data Structures. [See credential](#)

Projects

Insights

Insights combines all Intalio's AI technologies in one place to process videos and documents and extract their contents. It uses Face to perform facial recognition on the faces, OCR to extract text, Table extraction to extract tables, NLP (Natural Language Processing) to derive insights from unstructured data, Invoice key-value pair extraction, ANPR to detect license plates and Speech to recognize the speech spoken in the video.

Internet Robot

This internet robot allows you to obtain reliable information on the emerging coronavirus (Covid-19) from official and scientific sources. It also allows you to identify some rumors about this virus. In addition, it gives you the latest statistics and information about the virus in Lebanon and the world. The difference between this robot and others is that it allows you to get the information you want via a message on WhatsApp and does not refer you to other sites to obtain the information. But it places references and a link to it for the sake of credibility.

Presales Portal

A fully automated system for the management of presales requests:

- A responsive user friendly web interface with a full user management module developed using Angular framework.
- An embedded automated workflow.
- Alerts and notifications engine triggered on specific events.

Violation Management System

A unified national gateway that allows all parties wishing to grant the violation a unified centralized and standardized process for the creation, processing, and completion of validation.

- A fully responsive, state-of-the-art web interface.
- Provides dynamic analytical dashboards to monitor key events affecting the content and status.
- Developed using Angular framework.

Academic services[LU Web(Node.js)]

The aim of the project is to develop a web service for the Faculty of Sciences allowing the implementation of the two main administrative services:

- Teaching load distribution: a centralized web service for departments chair to distribute the teaching load respecting the rules and formats of the Faculty.
- Online Registration service: allowing students to do an online registration and a faculty member to validate this registration.
 - Done using Node.js framework.
 - Database done using MySQL.