Hadi Khairallah

Personal Contact

- Website: hadikhaiportfolio.herokuapp.com
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- Location: Achrafieh, Beirut, Lebanon

Education

Bachelor of Engineering in Computer Engineering
Lebanese American University

Byblos, Lebanon
September 2017 - Present

Lebanese Baccalaureate with Distinction
General Sciences branch

Beirut, Lebanon
June 2017

Further Education

Coursera Specializations

- Generative Adversarial Networks (GANs) from *deeplearning.ai*
- Tensorflow Developer from *deeplearning.ai*
- Deep Learning from *deeplearning.ai*
- Machine Learning: Algorithms in the Real World from *Alberta Machine Intelligence Institute*

Experience

École Polytechnique Fédérale de Lausanne (EPFL)
Software Engineer Intern

Lausanne, Switzerland
June 2021 - August 2021

- Developed an Admin Panel for Graasp, an e-learning platform using React and Fastify
- Added a "Groups" feature on Graasp where users can create groups and share content with the whole group, imitating in the implementation how institutions work, especially schools and universities

Tensorio
Frontend and DApp Developer

Munich, Germany
February 2021 - May 2021

- Developed a Blockchain Wallet Tracker using React and Web3
- Developed JavaScript Bots for Cryptocurrency trading

TrinityTech
Frontend Developer

Antelias, Lebanon
October 2020 - November 2020

- Fixed the bugs of an application written in React/Ionic
- Added features to the application

Haute école d'ingénierie et d'architecture de Fribourg (HEIA-FR)
Software Developer Intern

Fribourg, Switzerland
May 2020 - August 2020

- Worked on a joint project with React Group (EPFL) team in the domain of open e-learning Data
- Implemented a front-end for data visualization in a Graasp environment using React
- Worked on a Monitoring system project using VueJs and Express

Haute école d'ingénierie et d'architecture de Fribourg (HEIA-FR)
Java Developer Intern

Fribourg, Switzerland
May 2019 - June 2019

- Developed a game for a course to be used as a project in the university
- Used JavaFx as the GUI library

Projects

LAUT
Developed a cryptocurrency payment system for stores tackling both software and hardware. Each user will be given a physical wallet that represents their virtual wallet on the blockchain where their cryptocurrency is held.
Website: LAUT Portal
Frontend: https://github.com/HadiKhai/LAUTPortal
Backend: https://github.com/HadiKhai/LauTokenBackEnd

Graasp Admin Panel
Developed an Admin Panel for Graasp using React and Fastify, where Graasps' Administrators can perform higher priority operation to administrate users in case of a problem occurring in the platform.

Trading Bots
Developed a JavaScript bot that trades based on certain events and strategies, one example of those events would be listening to buys and sells having significant impact on the specific tokens' market and making trades upon them

Blockpearl.io
Created a Tracker for a Binance Smart Chain token for elite users to take financial decisions based on users trades

Personal Portfolio
Created a "Unix like" terminal portfolio using React, Redux, Axios and Express
https://github.com/HadiKhai/portfolio

Student Analytics
Developed a React application using the Graasp ecosystem as a show case for teachers to keep track of students progress on e-learning websites like Moodle

Intelligent Age Prediction Website
Developed an age predictor model using KNN, SVM and CNN, along many pre-processing techniques, feature selection and dimensionality reduction. The model was presented on a React based website with microservices architecture

Skills & languages

Programming Languages
Java, C++, C#, JavaScript, HTML, CSS, TypeScript, Python, SQL, LaTeX, Verilog, VHDL, Assembly, MATLAB.

Technologies:
1. Machine Learning: Scikit learn, Keras, TensorFlow
2. Web and Software development:
   a) Front-end Frameworks and Libraries: React, Vue
   b) Some Libraries: Redux, Axios, React-Query, Nivo (Based on D3)
   c) UI Frameworks: Bootstrap, Material Design, Semantic UI, Vuetify
   d) Cross Platform Frameworks: Ionic, React Native
   e) Back-end Framework: Fastify, Django, Express
   f) Dapps: Web3, Solidity
3. Package managers: Npm/Yarn , Anaconda
4. Version control and source code management: Git, GitHub, GitLab
5. Other Skills: Unity, Photoshop, Illustrator, After Effects, Premiere Pro

Soft Skills
Management, Communication, Teamwork

Languages
Arabic (Native), English (Fluent, SAT 1210), French (Fluent, DELF B2)

Activities

Martial Arts
MMA Fighter for 4 years and Brazilian jiu-jitsu Lebanese Champion for 3 consecutive years

AI Club
Vice President of the AI Club at LAU