



JIHAD FTOUNY

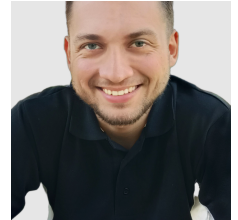
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Portfolio: <https://portfolio.ftouny.com>



Summary

Results-oriented Computer Science graduate with a strong foundation in fullstack web development, game development, and artificial intelligence. Skilled in utilizing technologies such as Angular, Python, Java, MongoDB, and Unity. Experienced in delivering projects, including an AI text detector, an immersive 2D arcade game and a full-stack e-shop. I possess exceptional empathy, problem-solving, and adaptability skills.

Education

Lebanese International University, BEIRUT, Lebanon

SEP 2019 – JUN 2023

B.Sc. in Computer Science

Learned a solid foundation of Programming Languages, Object-Oriented Programming, Data Structures, Algorithms, Digital Logic, Robotics, Networking Technologies, Web Development, Linux, Artificial Intelligence, Game Development, Probability, Linear Algebra, Calculus, Discrete Mathematics, and Numerical Methods. Also Developed soft skills such as communication, public speaking, project management and leadership.

Professional/Project Experience

CHATGPT TEXT DETECTOR - ZAKA AI GRADUATION PROJECT

<https://gptector-flask.onrender.com/>

- Developed a web application designed to detect and analyze text generated by ChatGPT using ML techniques.
- Utilized Python, along with libraries such as Matplotlib, Seaborn, Scikit-Learn, NLTK, Pandas for data analysis, visualization, and NLP tasks, and Numpy for efficient numerical computations and data manipulation.
- Performed feature extraction using vectorization techniques and Word2Vec.
- Implemented a range of machine learning algorithms including Logistic Regression, XGBoost, Random Forest, and Support Vector Machines (SVM) for text classification and sentiment analysis.
- Created a user-friendly interface using Flask to facilitate interaction with the application.

TECH FOR ACCESSIBILITY HACKATHON 2023, TALAL & MADIHA ZEIN AUB INNOVATION PARK

<https://tinyurl.com/aub-hackathon>

- Led one of the three winning teams, contributing to the successful execution and outcome of the project within a week.
- Ideated and prototyped a solution aimed at enhancing accessibility for individuals with visual impairments.
- Leveraged Roboflow's API, rapidly developing an efficient prototype
- Achieved real-time object detection by implementing YOLOv8, enhancing the capabilities of our project with accurate and rapid identification of objects.
- Integrated Arduino microcontrollers, enabling effective communication and control between components.

ELVISH ROOTINGS, GLOBAL GAME JAM 2023

<https://bramevet.itch.io/elvish-rootings>

- Idealized, designed, and developed a fully playable immersive 2D arcade game in under 2 days.
- Play as Elidar, an elf shaman gathering ingredients to brew the Mystical Concoction while escaping from forest invaders and evil spirits in two different stages.

ABZ FLOWERS E-SHOP, SENIOR PROJECT

<https://tinyurl.com/abz-flowers-aws>

- Developed front and back-end of an e-shop, fully tailored to the client's needs.
- Implemented NodeJS CRUD for MongoDB, and a highly-responsive design utilizing Bootstrap CSS Framework.
- Tech-stack: (MEAN) MongoDB, ExpressJS, Angular and NodeJS.
- Hosted with AWS S3 and Elastic Beanstalk.

PANDA PRESENTES - GALERIA PAGÉ, SÃO PAULO, BRAZIL

JUN 2017 – NOV 2017

Salesman

- Negotiated with clients in a fast-paced and high-pressure environment, selling automotive sound systems.
- Attracted recurring customers through personalized negotiation approaches.
- Ensured attractive and organized display shelves daily, enhancing the shopping experience.

Certificates

AI Certification - Machine Learning Specialization

AUG 2023

ZAKA

- Completed with distinction and the 'Fastest Deep-Learner' award in a comprehensive certification program covering various aspects of data science, machine learning, and deep learning.
- Acquired strong foundational knowledge in data science, including data preparation, data visualization, data manipulation, and working with databases.
- Developed a solid understanding of machine learning principles and algorithms.
- Proficient in designing and implementing supervised and unsupervised machine learning algorithms to solve real-world problems.
- Experienced in evaluating and testing machine learning models using appropriate evaluation criteria and statistical hypothesis testing.

IEEE Grand Tech Lebanon 2023

FEB 2023

IEEE YP Lebanon + IEEE Computer Society

- Participated in the event, a student conference focused on Augmented Reality (AR), Virtual Reality (VR), and the Metaverse.
- Gained insights into the latest advancements in AR/VR/Metaverse technology.
- Engaged in panel discussions that explored the future of AR/VR/Metaverse, discussing the challenges, opportunities, and societal impact of these emerging technologies.
- Presented a research project on AR/VR/Metaverse during the competition segment, showcasing expertise in the field and networking with professionals and peers.

Volunteer/Internship Experience

ICPC - PROGRAMMING CONTEST, FEI UNIVERSITY CENTER, SÃO PAULO, BRAZIL

- Trained to represent FEI University in the International Collegiate Programming Contest (ICPC).
- Improved programming skills and problem-solving abilities alongside top university talent.
- Due to the terminal illness of a close-family member, it was necessary that I stop attending university to provide care, thus I couldn't participate in the competitions.

Student Member - IEEE

- Actively participated in workshops and events on various subjects in tech and other topics, enhancing knowledge and networking with professionals in the field.

Skills

AI/ML Techs: *Pandas, Colab, Kaggle, TensorFlow, Scikit-Learn, Numpy, Keras, NLTK, Word2Vec, Matplotlib, Seaborn, Tableau.*

Machine Learning: *Complete ML Lifecycle, Supervised/Unsupervised Learning, Reinforcement Learning, Regression, Classification, Clustering, DL, NLP, CV.*

Deep Learning: *Neural Networks, Convolutional NNs, Recurrent NNs, LSTM*

Natural Language Processing: *Word Embeddings, Sentiment Analysis, Machine Translation, Chatbots with OpenAI.*

Computer Vision: *OpenCV, Image Classification, Object Detection*

Backend: *Git, Python, C, C#, C++, Express, Java, NodeJS, TypeScript, Linux, MongoDB, SQL, AWS S3, Elastic Beanstalk*

Frontend Web: *Angular, Bootstrap, CSS, HTML, TypeScript, Jekyll, XML*

Game Development: *Unity, RPG Maker, Tibia Open Servers*

Others: *Arduino, GitHub, NotionHQ, Online Research, Photoshop, Ableton*

Soft Skills: *Adaptive Thinking, Leadership, Rapid Learning, Communication, Decision Making, Friendliness, Innovation, Negotiating, Public Speaking, Creative Insights*

Languages

Portuguese: Native, **English:** Fluent, **Arabic:** Intermediate, **Spanish:** Basic

Interests

Mindfulness: Nature, Meditation, Breathing Techniques, Physical Exercises

Games: 'Magic: The Gathering', Dungeons & Dragons, Board Games + Video Games in general