



Isam Mutasem Jazzar

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📍 Tulkarm, Palestine

WORK EXPERIENCE

Front-End Developer

Creative Front-End Developer offering 1+ years of experience providing high-impact web solutions for diverse industry organizations. Skilled in designing, developing and testing multiple web-based applications incorporating a range of technologies. Aspiring to combine broad background with strong technical skills to excel as a Front-End Developer.

Freelance 2021 – Present

Teaching Assistant - As A Master Academic lecturer -

-Palestine Technical University – Kadoorie 2688199 (9) 970+ info@ptuk.edu.ps
<https://ptuk.edu.ps/ar/>
2016 – 2023 Tulkarm, Palestine

- Al Rawdah University College 09-2371444 info@rawda.edu.ps
<http://www.rawda.edu.ps/>
2022– 2023 Nablus, Palestine

-Al Zaytona University of Science & Technology 0593700410 Admission@zust.edu.ps
<https://www.zust.edu.ps/>
2023 - Present Salfit, Palestine

System Administrator

Ministry of Local Government,

05/2015 - 07/2015 Illar, Tulkarm, Palestine

Network officer

Super Link for Communication Ltd

03/2015 - 05/2015 Tulkarm, Palestine

Achievements/Tasks

- Worked as a lecturer for the following courses: C++ programming, Computer Fundamentals, data base(DB), and Excel for Accountants, Introduction to computer science, Computer skills, Operating Systems (OS), Typography - and the science of Arabic and foreign calligraphy, Calligraphy, Photoshop, Adobe Illustrator, Databases, My Sql, Data structure, C++ /computer programming, C/computer programming, web development, Digital Marketing7Electronic distribution Channels in Digital Marketing/ Integrated Digital Marketing Communications/Digital Marketing Analytics and Content/ mobile marketing / search engine optimization SEO / Social media marketing / marketing using search engine
- Developed websites from front to backend using PHP, JavaScript, and HTML and Manage website development projects from initial design through completion.
- I participated in a seven-day training course in Florence, Italy, on the subject of e-learning and (model)
- Supervised the computers labs.
- Supervised the Computerized Exams.
- Familiar with using model program e-learn system/ Microsoft teams / google class.
- Developed programs of learning activities and exam system for different university.
- Planned, prepared and researched lessons and teaching materials.
- Held the position of computerized exams - online exam for both the University of Palestine Technical University - Kadoorie and the ministry of education exams and alzaytoonah University
- Worked professionally on the e-learning system and Microsoft teams
- Director of the Computer Department at Al-Zaytoonah University of Science and Technology, responsible for computer systems, servers, e-learning, and e-exams.

EDUCATION

-Bachelors of Science: Computer Science

Palestine Technical University – Kadoorie Tulkarm, Palestine Class 2015
09/2011 - 05/2015 Tulkarm, Palestine

Courses:

- + A graduation project in VISIBLE LIGHT COMMUNICATION BASED DATA TRANSMISSION SYSTEM USING Li-Fi that's more secure than the traditional cables and faster than them by 30%.
- + A restaurants' management system built using PHP language which supports restaurants' owners in administration roles.
- + Designed a CPU diagram and circuit in collaboration with the Computer Engineering Department.

-Master of Science: Computer Science

An-Najah National University

Nablus, Palestine

Class 2020

01/2016 - 05/2020 Nablus, Palestine

Courses:

- A graduation project in medical image processing in brain tumor detection and epilepsy detection name: Feature Extraction of EEG Signal to Classify Epileptic Signal Using Neural Network.
- Wrote a paper in Morphological image processing approach on the detection of tumor and cancer cells by analyzing different medical and MRI images to get the abnormality in the image. This paper proposes an efficient K-means clustering algorithm under Morphological Image Processing (MIP). This was done by the supervision of Dr. Abdel-Razzak Natsheh.
- Studied the algorithms, estimated the complexity, and built Sparse Matrix Operations on Matlab especially on Permutations & Refactoring alongside with Factorizations such as LU, QR, and Incomplete Factorizations.
- Built a simulator that eliminates dangerous plants and preventing them from reproduction and growth. I've been able to run the simulator on multiple inputs of the amount and the location of the burn we're going to cause to track the effect of this burning before happening in a real life.
- Developed a program that solves the heat equation problem in psychics for the Parallel Programming and High-Performance Computing course. We used two approaches; one that runs on a single thread and the other is paralyzed with different speeds.
- Developed a program on Genetic Algorithm solving both constrained and unconstrained optimization problems that is based on natural selection, the process that drives biological evolution
- Advanced Data Structures and Algorithms, Computer Modeling and Simulation, High, Performance Computing, Numerical Partial Differential Equations, Computational Linear Algebra, Advanced Linear Programming, Digital Image Processing, Artificial Intelligence, Digital Image Processing1, Computer vision: Digital Image Processing2, Numerical Optimization, Stochastic Processes (Statistical Modeling), and Special Topics in Image Processing.

I'm in the middle of publishing a paper in the field of "Feature Extraction of EEG Signal to Classify Epileptic Signal Using a Neural Network".

Projects:

- Brain tumor detection and classification to Benign and malignant from MRI image and CT image.
- Seizer and epilepsy detection from EEG signal.
- Heart rate abnormal detection from ECG Signal.
- Fetal heart detection normal and abnormal.
- Lung's cancer detection.
- Breast cancer detection.

SKILLS

Problem Solving	Critical Thinking	Learning ability	Creativity
Data Analysis	Projects Management	Responsibility	Teamwork
communicating	Collaborating	Design	approaching problems

VOLUNTEER EXPERIENCE

Qabas exhibition

Calligraphy

02/2014 - 02/2014 *Kadoorie, Tulkarm, Palestine*
Arabic Calligraphy

Smart days

Leader organization

05/2014 - 05/2014 *Tulkarm, Palestine*
Trained at Business Model Canvas (BMC)

HONOR AWARDS

Visible light communication and Li-Fi

(04/2015 - 05/2015)

Visible light communication

The best graduation project of 2015 at the university level on data transmission based on visible light communication.

Classify Epileptic Signal from EEG

(03/2020 - 05/2020)

Feature Extraction of EEG Signal to Classify Epileptic Signal Using Neural Network

The graduation project of 2020 at the university.

LANGUAGES

Arabic	<i>Native or Bilingual Proficiency</i>
English	<i>Full Professional Proficiency</i>
C++, C, Java	<i>Native or Bilingual Proficiency</i>
MATLAB	<i>Native or Bilingual Proficiency</i>
Python	<i>Professional Working Proficiency</i>
Front-end-developer	<i>Full Professional Proficiency</i>
HTML, CSS, java script	<i>Full Professional Proficiency</i>

ADDITIONAL SKILLS

- *Adobe Creative Suite - Photoshop, Illustrator, In Design, Fireworks.*
- *Angular, HTML5, CSS/Bootstrap, JavaScript/Typescript, Reactive Programming, C#, SQL, PHP, JavaScript, jQuery, JSON, ASP.NET CORE, MVC, and Web API*

INTERESTS

- Web pages coding
- Arabic Calligraphy
- Arabic Poetry
- Drawing