

Personal Information:

- Alaa Jalal Al Tamimi
- E-mail: ajtamimi@ppu.edu
- Mobile: +970 599 728 123
- Born in Hebron, Palestine on 25.8.1980



Academic Qualifications:

- Master Degree in Intelligent Systems - AI and Data Science, Palestine Polytechnic University (PPU), 2023, GPA: 87.7 (Graded with Very good).
- Bachelor Degree in Computer Systems Engineer, PPU, 2004, GPA: 87.4 (Graded with excellent).
- General Secondary Exam Certificate, Hebron – Palestine, 1998, GPA: 95.3 (The first rank in the Hebron governorate, and the second rank in the State of Palestine).

Experience:

- 2023 – Present, Lecturer, College of Applied Professions, PPU.
- 2021 – Present, Administrative Assistant, E-PAL Project, “Equip Palestine with E-learning”, funded by NORHED - Norway, PPU.
- 2019 - 2024, Administrative Assistant, Quality Enhancement and Accreditation Department, PPU.
- 2017 - Present, Head of NI LabVIEW Academy, PPU.
- 2017 - 2020, Chairman of the Field Training Committee, PPU.
- 2017 - 2018, Member of the design and implement team of the vegetable sorting machine (my responsibility is about control part using LabVIEW SW via Single-Board RIO controller), PPU.
- 2015 - 2016 Building Training Modules for Can Bus System, using CNC and PCB machines, PPU and IUT Cachan.
- 2012 - 2017, General Engineering Coordinator, PPU.
- 2008 - 2017, Field Training Coordinator, PPU.
- 2006 - 2023, PC Applications Lab Supervisor, PPU.
- 2004 -2006, Teacher Assistant, PPU.
- 2002 -2003, Electron Trading, Computer Maintenance.

Areas of Interest:

- Artificial Intelligence and Machine learning.
- Digital Logic Design, FPGA and CPLD Implementations.
- Data Acquisitions Systems.
- PCB Fabrication.
- Control Systems and BMS.
- CAN Bus Protocol for Vehicles.
- Design and Implementation of Agricultural Machines.

Specialized Training Courses:

- 2023 In progress: Moodle Educator Certificate (MEC), Online training.
- 2019 - 2021: Palestine's "Think Data Science" program, Joint cooperation between: Palestinian Central Bureau of Statistics, Arab American University and Harvard University, Online training.
- 2018: Vision and Embedded Control and Monitoring Training, National Instruments (NI) office, Istanbul, Turkey.
- 2017: Business Model Canvas (BMC), JADARA and PPU, Hebron, Palestine.
- 2016: Customized Data Acquisition and Embedded Training, NI office, Amman, Jordan.
- 2016: Controller Area Network Bus system (CAN), le cnam, Paris, France.
- 2015: CAN, IUT Cachan - Université Paris-Sud, Paris, France.
- 2014: Building Management Systems (BMS), Schneider Electric, PPU, Hebron, Palestine.
- 2010: LabVIEW Core 1,2,3 & LabVIEW Connectivity, (NI) office , Kuala Lumpur, Malaysia.
- 2009: PIC Programming, Royal Scientific Society, Amman, Jordan.
- 2008: International to e-Learning and Moodle system, PPU, Hebron, Palestine.
- 2008: Teaching Methods Improvements Course, PPU, Hebron, Palestine.
- 2006: TOEFL Course, PPU, Hebron, Palestine.
- 2005: Field Programmable Gate Arrays Course (FPGA), Birzeit University, Palestine.
- 2005: Teaching Methods Improvements Course, PPU, Hebron, Palestine.

International Certifications:

- 2020 – 2021 Professional Certificate Program in Data Science - Harvard University - DataCamp, Online training.
 - 2020: Data Science - R Basics and Visualization.
 - 2021: Data Science – Probability, Inference and Modeling, Productivity Tools, Wrangling, Harvard, Linear Regression, Machine Learning, Capstone.
- 2021 MarkLogic University Learning Assessments - Online training.
 - MarkLogic Fundamentals.
 - Developing MarkLogic Applications I - XQuery
 - MarkLogic Data Integration.
 - MarkLogic Administration.
 - Using MarkLogic Semantics.
- 2019: Microsoft Innovative Educator (MIE).
- 2017: Certified LabVIEW Associate Developer (CLAD), NI.

Programming language and tools:

- C, C++, C#, VB.net, Java, LabVIEW, MATLAB, Verilog, VHDL.
- Python, R, JSON, XQuery, Xpath, XSLT.
- Marklogic, Elastic search, Kibana, Anaconda (Spyder, Jupyter notebook), RStudio, Google Colab and Google teachable machine.

Community Contribution:

- Judgment in many technology projects with corporation with:
 - Ministry of Education.
 - Ministry of Telecommunication.
 - Ministry of Higher Education.
 - Al-Naizak educational and scientific organization.

Abroad Academic/Administration Contribution:

- 2023: Turkey - Istanbul: E-PAL core group meeting.
- 2022: Norway - Oslo: E-PAL core group meeting.
- 2021: Turkey - Istanbul: E-PAL core group meeting.
- 2019: Romania - Galati: Teaching LabVIEW training course.
- 2017: Turkey – Izmir: Turkish-Arab Economic Cooperation Summit for Food & Food Technology, Agriculture & Agriculture Technology.

Publications:

- 2023 - [Master thesis](#): Arabic sign language recognition using CNN methodology (Dataset improvements and Feature Map adaptations), Supervisor: Dr. Iyad Hashlamon, iyad@ppu.edu.
- 2023 - A. J. Tamimi and I. Hashlamon, "[Arabic Sign Language Datasets: Review and Improvements](#)," 2023 International Symposium on Networks, Computers and Communications (ISNCC), Doha, Qatar, 2023, pp. 1-6, doi:10.1109/ISNCC58260.2023.10323881.
- 2024 - Arabic sign language recognition using CNN methodology, A Roadmap to E-Learning in Palestine: Challenges and Opportunities (REPCO-I), hybrid (PPU-Hebron, UCAS- Gaza), In progress.
- 2004 - B.Sc. Project: Digital Signal Processing Center, Supervisor: Dr. Murad Abu Sbeih, murads@ppu.edu.

Scholarships:

- Mr. President's scholarship for outstanding students for the Bachelor degree studies.

Awards:

- University student researcher competition - for a master's degree.