MUHYEEDDIN KAMEL ALQARALEH

Marj Alhamam - Amman
|00962776077124 | Muheeddin.qaralleh@gmail.com

SUMMARY

I am a Passionate and Highly motivated Computer Engineering, Computer Science, Software Engineering Professor with 5 years of experience educating in postsecondary settings, with specialty in **System Analysis / Control and Processing of information** with the following qualities:

- Inspiring students to think creatively and share opinions.
- Offering engaging presentation skills and dynamic collaboration with fellow educators.
- Dedicated to student success and offering experience engaging individuals of different skill and ability levels.
- Applies personalized strategies to enhance student learning and increase performance against objectives.
- Excited to teach, train and motivate students.
- Considered valued asset in any setting and known for gently driving students to future success.
- Organized and motivated employee eager to apply time management and organizational skills in various environments.
- Seeking entry-level opportunities to expand skills while facilitating company growth.
- Highly-motivated employee with desire to take on new challenges.
- Strong worth ethic, adaptability and exceptional interpersonal skills.
- Adept at working effectively unsupervised and quickly mastering new skills.

SKILLS & ABILITIES

- REPORTING AND DOCUMENTATION
- TRAINING COORDINATION
- PROJECT PLANNING
- PROGRESS REPORTING
- GROUP AND INDIVIDUAL INSTRUCTION
- STUDENT ASSESSMENT
- ACADEMIC ADVISING

- TRAINING PROGRAM DEVELOPMENT
- STRATEGIC PLANNING
- SELF-MOTIVATED
- LESSON PLAN DEVELOPMENT
- CONTENT GENERATION
- IT MAINTENANCE MASTER
- LECTURE FACILITATION
- CURRICULUM DEVELOPMENT

EXPERIENCE

Assistant Professor of Computer Science, Oct 2018 current

Jadara University.

· Developed and taught courses in the areas of software engineering, computer architecture, and operating systems.

· Conducted research on topics such as machine learning, artificial intelligence, natural language processing, and distributed computing.

· Supervised undergraduate and graduate students in their research projects.

· Evaluated student performance through grading exams, assignments, and presentations.

· Advised students on course selection and career paths in computer science.

· Collaborated with faculty members from other departments to develop interdisciplinary courses related to computer science.

· Organized seminars and workshops for faculty members to share best practices in teaching methods.

· Attended conferences to present research findings and network with professionals in the field of computer science.

· Created online resources such as tutorials or sample programs for use by students.

· Contributed regularly to professional organizations such as ACM or IEEE.

· Served on departmental committees responsible for curriculum development or policy decisions.

· Prepared reports summarizing the results of student surveys regarding course content or instructor effectiveness.

· Analyzed data from large datasets using statistical techniques applicable to the field of computer science.

· Published articles about new developments in the field of computer science in academic journals or magazines.

· Created tests and assignments to assess student knowledge of presented coursework and lecture materials.

· Instructed students on methods for streamlining work using available tips and tricks.

· Built and expanded knowledge of IT trends by attending professional workshops, seminars and conferences.

· Built life-long learning skills and strong study habits in students to help each prepare for higher-level education.

· Scheduled group and private tutoring sessions to assist students requiring extra help.

· Collaborated with other subject and grade-level teachers to build complementary educational frameworks for students.

- Maintained school-wide culture of respect and actively used positive behavioral interventions and supports (PBIS) disciplinary methods.
- Developed new technology competencies by attending continuing education courses.

Assistant Professor of Computer Engineering, *Jun 2018 - Sep 2018*

Al-Ahliyya Amman University, Alsalt

- Developed and taught courses in the areas of Computer engineering, computer architecture, and operating systems.
- Supervised undergraduate and graduate students in their research projects.
- Evaluated student performance through grading exams, assignments, and presentations.
- Provided instruction and guidance to undergraduate and graduate students in the classroom setting.
- Developed and implemented innovative teaching methods that enhanced student engagement and learning outcomes.
- Conducted research projects, wrote manuscripts, and presented findings at professional conferences.

ICT Classroom Teacher, Jan 2012 - Jan 2017

Altadamon Alarabi Schools, Minsk - Belarus

- Developed course materials including syllabi, lesson plans, homework assignments, quizzes and tests.
- Provided individualized instruction to struggling students in order to improve their understanding of computer science concepts.
- Evaluated student performance using a variety of assessment tools including written exams, projects and presentations.
- Established positive relationships with students by creating an open environment for discussion and questions.
- Maintained records of student progress by regularly assessing grades and providing feedback on assignments.
- Organized guest speaker events featuring professionals from the local tech community who discussed career paths related to computer science.
- Planned and led lessons on basic computer skills, keyboard techniques and internet use.
- Collaborated with staff members on curriculum planning and incorporation of computers into different class lesson plans.
- Facilitated computer lab sessions, supervising such tasks as penetration testing, coding and script creation.
- Expanded student learning by incorporating extra-curricular computer science activities.
- Monitored student progress through frequent assessments of various computer tasks.

Computer Hardware & Networking Engineer, *May 2009 - Oct 2011*

Arab Towers Contracting Company, *Amman*

· Installed and maintained computer hardware, software and network components.

· Configured routers, switches, hubs and other network equipment to meet customer requirements.

· Developed preventive maintenance plans for server systems and networks.

· Diagnosed and troubleshot technical issues related to computer hardware, software applications and networks.

· Performed system backups and data recovery operations in the event of a system crash or failure.

· Created user accounts on local domain servers and administered user access rights.

· Provided technical support to end users on various computing platforms including Windows, Mac OS X, Linux and Unix.

· Monitored system performance using diagnostic tools such as ping tests, traceroute.

· Resolved complex network problems by identifying causes of errors with packet analyzers and protocol sniffers.

· Designed new networking solutions based on customer requirements.

· Maintained inventory of all IT assets in the organization including computers, peripherals, cabling.

· Implemented security measures like firewalls, antivirus programs to protect against malicious attacks from external sources.

· Assisted with the installation of new computer systems and configured them according to specifications provided by customers.

· Upgraded existing hardware components like RAMs, hard disks to improve system performance.

· Deployed wireless networks at remote sites for improved accessibility of resources across multiple locations.

· Conducted training sessions for end users on basic usage of office productivity tools like MS Office Suite.

· Provided assistance in setting up conference room audio-visual equipment for meetings and presentations.

· Installed security software to protect networks.

Computer Technician Specialist, *Apr 2008 - Apr 2009*

The Matrix Trading Company, *Amman*

· Troubleshot and resolved hardware, software, and network issues for customers.

· Installed, configured, tested and maintained operating systems, application software and system management tools.

· Provided technical assistance to users by phone and in person.

· Performed system maintenance tasks such as patching, security updates, user account changes.

· Diagnosed computer performance problems using diagnostic tools and analysis techniques.

· Monitored system performance and identified areas for improvement or optimization.

· Assisted with the development of new processes to streamline operations.

· Built servers from scratch according to customer specifications.

· Implemented best practices for security protocols across multiple networks.

· Configured routers, switches and firewalls for optimal network performance.

· Trained staff on the use of new hardware and software components.

· Repaired faulty hardware components such as hard drives, RAM modules.

· Worked closely with vendors to ensure timely resolution of technical issues.

· Set up user accounts with appropriate access levels based on job roles.

Trainee Engineer, Dec 2006 - Jan 2008

Arab Potash Company, Amman - Alkarak

· Developed software for data analysis and reporting using SQL.

· Performed system testing to ensure accuracy of applications.

· Maintained existing computer systems by troubleshooting hardware and software issues.

· Provided technical support to users in the use of new technologies.

· Assisted with installation, configuration and maintenance of servers and networks.

· Monitored system performance metrics and identified areas of improvement.

· Tested new applications prior to deployment in production environment.

· Documented processes related to computer operations.

· Installed and performed minor repairs to hardware, software or peripheral equipment.

· Conferred with staff, users and management to establish requirements for new systems or modifications.

· Inspected equipment and read order sheets to prepare for delivery to users.

· Maintained audit trail and statistical records of problems and conditions reported by client.

EDUCATION

Belarusian State University of Informatics and Radio Electronic, *Minsk - Belarus 2016*

PhD Technical Science / System Analysis / Control and Processing of Information

LANGUAGES

ARABIC – *First Language*

Engilesh –*Intermediate*

CERTIFICATIONS

- Supporting the Digital Transformation in Jordan's Higher Education Sector "British Council" 2021
- How to Qualify for ABET accreditation including virtual visit Training "association of Arab universities" (AARU) 2021
- Pioneering experiences in accreditation and quality for Arab higher education institutions "association of Arab universities" (AARU) 2021
- Electronic Commerce Workshop, how to make my own business online "Vocational Training Corporation" 2020
- Electronic Commerce Workshop, how to make my own business online "INJAZ Corporation" 2020
- abet requirements for engineering and computer science "Jadara University" 2020
- prepare students in the College of Science and Information Technology for the university proficiency exam "Jadara University" 2020
- Workshop of National Cybersecurity Strategy and Cybersecurity Law "Zain" 2020
- Jordan National Qualification Framework (JNQF) "accreditation and quality assurance commission for higher education institutions" 2020
- Recognition of Prior Learning (RPL) "accreditation and quality assurance commission for higher education institutions" 2020
- STEM Early Career Academics in Jordanian Universities "Ministry of Higher Education and Scientific Research" "Petra University" "British Council" 2020
- Erasmus + "Al-albayt University" 2019
- Preparing students in the College of Science and Information Technology for the university proficiency exam "Jadara University" 2019
- The International Conference on Intelligent Computing Systems and Data Analytics Applications (ICSDAA) "Jadara University" 2019
- workshop " Capture the Flag-METACTF " "Princess Sumaya University for Technology" (PSUT) 2019
- statistical Analysis using SPSS "Jadara University" 2019
- kaizen and lean management skills "Jordan Engineers Association" 2019
- Modern Teaching Strategies "Jadara University" 2019

PUBLICATIONS

Accepted
Early Diagnosis of Diabetes: A Comparison of Machine Learning Methods
iJOE | eISSN: 2626-8493 | Vol. 19 No. 15 (2023)

Accepted

A Comparative Study of Machine Learning Techniques for Early Prediction of Diabetes

2023 IEEE Tenth International Conference on Communications and Networking (ComNet) - AI and big data for networks and digital communications

1. Al Tal, S., Alomari, S. A., & **Alqaraleh, M.** (2019). THE MODERN HOSTING COMPUTING SYSTEMS FOR SMALL AND MEDIUM BUSINESSES. Academy of Entrepreneurship Journal, 25(4).

2. Saleh Ali Alomari, **Muhyeeddin Alqaraleh**, Emran Aljarrah, Mowafaq Salem Alzboon. (2020).TOWARD ACHIEVING SELF-RESOURCE DISCOVERY IN DISTRIBUTED SYSTEMS BASED ON DISTRIBUTED QUADTREE. Journal of Theoretical and Applied Information Technology, 31st October 2020. Vol.98. No 20

3. Alzboon, M. S., Aljarrah, E., **Alqaraleh, M.**, & Alomari, S. A. (2021). NODEXL TOOL FOR SOCIAL NETWORK ANALYSIS. Turkish Journal of Computer and Mathematics Education (TURCOMAT), 12(14), 202-216.

4. Alzboon, M. S., **Alqaraleh, M. K.**, Aljarrah, E. M., & Alomari, S. A. (2022). SEMANTIC IMAGE ANALYSIS ON SOCIAL NETWORKS AND DATA PROCESSING: REVIEW AND FUTURE DIRECTIONS. Handbook of Research on Foundations and Applications of Intelligent Business Analytics, 189-214.

5. Rapid estimation of stability intervals for solving linear assignment problems
M.P. Revotyuk, **M.K. Karoli**, P.M. Batura

Speaker papers BSUIR, № 5(75), 2013. – P. 30-36.

6. Implementation of the branch and bounds method for solving traveling salesman problems with sparse matrices
M.P. Revotyuk, **M.K. Karoli**, P.M. Batura
Speaker papers BSUIR, № 7(77), 2013. – P. 25-31.

7. Fast search of the shortest paths on graphs with predefined solutions
M.P. Revotyuk, **M.K. Karoli**, N.V. Khadzhinova
Speaker papers BSUIR, № 4(82), 2014. – P. 73-79.

8. Safe interruption of the procedures of the dynamic programming method
M.P. Revotyuk, **M.K. Karoli**
Belarus-Russian scientific and technical conference "Technical facilities for information protection"
(29 – 30 of May 2012, Minsk). – Minsk: BSUIR, 2012. – P. 45.

9. Migration of the process of problems solution using dynamic programming method
V.V. Zobov, **M.K. Karoli**, М.П.Revotyuk

48 th scientific conferences of the Ph.D. candidates, candidates for a master's degree and students
"Information technologies and management" (07 - 11 of May 2012, Minsk) – P.14.

10. Estimation of stability intervals for solving assignment problems
    M.P. Revotyuk, **M.K. Karoli**
    VII International scientific and technical conference "Information technologies in industry" (ITI'2012):
    narratives from conference papers (30 - 31 of October 2012, Minsk). – Minsk: UIIP NAS of Belarus, 2012. – P.121-122.

11. Estimation of stability of open assignments problem solutions
    M.P. Revotyuk, **M.K. Karoli**
    Information technologies and systems: material from international conference BSUIR (Minsk, 24 of October 2012). – Minsk, BSUIR, 2012 – P.319-320.

12. Replication of dynamic programming procedures in agent systems
    M.P. Revotyuk, V.V. Zobov, **M.K. Karoli**
    information technologies and systems: material from international conference BSUIR (Minsk, 24 of October 2012). – Minsk, BSUIR, 2012 – P.293-294.

13. Assessment of the need to review the composition of assignments
    M.P. Revotyuk, **M.K. Karoli**, T.V. Tikhanovich
    Material from VI International scientific methodological conference «Higher Technical Education:
    problems and development options» (Minsk, 28-29 of November 2012). – Minsk, BSUIR, 2012 – P.275.

14. Determination of stability intervals for solving linear assignment problems
    M.P. Revotyuk, **M.K. Karoli**
    Material from. XVIV International scientific and technical conference "Information systems and technologies
    (IST'2013)" (19 of April 2013, N.Novgorod). – N.Novgorod, NSTU n.a. R.E. Alexeeva, 2013 – P. 264.

15. **Karaoli, M.K.** Estimation of stability of travelling salesman problems
    M.K.Karaoli, M.P. Revotyuk
    49th scientific conferences of the Ph.D. candidates, candidates for a master's degree and students "Information systems and technologies" (Minsk, 4 of May 2013). – Minsk, BSUIR, 2013 – P. 11.

16. Quick recalculation of open and closed assignment problems
    P.M. Batura, **M.K. Karoli**, O.V. Kot, M.P. Revotyuk
    49 the scientific conferences of the Ph.D. candidates, candidates for a master's degree and students
    "Information systems and technologies" (Minsk, 4 of May 2013). – Minsk, BSUIR, 2013– P. 61.

17. **Karaoli, M.K.** Lower bounds for estimates of solutions of traveling salesman problems
    M.K. Karoli, N.V. Khadzhinova, T.V. Tikhanovich, M.P. Revotyuk
    49th scientific conferences of the Ph.D. candidates, candidates for a master's degree and students "Information systems and technologies" (Minsk, 4 of May 2013). – Minsk, BSUIR, 2013 –P. 12.

18. Stability of service queuing systems
    M.P. Revotyuk, **M.K.Karoli**
    XI Belarus-Russian scientific and technical conference "Technical facilities for information protection" (5-6 of June 2013, Minsk) – Minsk: BSUIR, 2013 – P. 46.

19. Caching the state of distributed processes by agent systems
    M.P. Revotyuk, **M.K. Karoli**, V.V. Zobov
    XI Belarus-Russian scientific and technical conference "Technical facilities for information protection" (5-6 of June 2013, Minsk) – Minsk: BSUIR, 2013 – P. 47.

20. Rapid estimation of stability intervals for solving traveling salesman problems
    M.P. Revotyuk, **M.K. Karoli**
    "Information technologies and systems 2013»(ITS'2013): material of international conference (Minsk, 23 of October 2013). – Minsk, BSUIR, 2013. – P. 312-313.

21. **Karaoli, M.K.** Counter search of the shortest routes on networks with predetermined solutions
    M.K. Karaoli, M.P. Revotyuk
    Modern problems of mathematics and computing tools: Material of VIII Republican scientific conference of young scientists and students (Brest, 21-23 of November 2013). – Brest: BSTU, 2013. – P. 125-128.

22. Accelerators of inference procedures in competency assessment systems
    M.P. Revotyuk, **M.K. Karaoli**, T.V. Tikhanovich
    Distance learning – educational environment of XXI century: Material of VIII International scientific and technical conference (Minsk, 5-6 of December 2013). – Minsk, BSUIR, 2013. – P. 310-311

23. Analysis of the stability of the solutions of traveling salesman problems
    M.P. Revotyuk, **M.K. Karaoli**, O.V. Kot
    International scientific and technical conference, devoted to 50 years anniversary of MRTI-BSUIR (Minsk, 18- 19 of March 2014): Conf. mat. in 2 parts, Part 2/edited.: A. A. Kuraev [and others]. – Minsk: BSUIR, 2014. – P. 252-253.

24. **Karaoli, M.K.** Algorithm for reassessment of the stability of the solutions of traveling salesman
    M.K. Karaoli, O.V. Kot
    50 th scientific conferences of the Ph.D. candidates, candidates for a master's degree and students "Information systems and technologies" (Minsk, 24-28 of March 2014). – Minsk, BSUIR, 2014 – P. 23.

25. **Karaoli, M.K.** Algorithms for rapid calculation of sub-matrices of shortest paths on transport networks
    M.K. Karaoli, V.V. Naimovich
    50th scientific conferences of the Ph.D. candidates, candidates for a master's degree and students "Information systems and technologies" (Minsk, 24-28 of March 2014). – Minsk, BSUIR, 2014 – P.26

26. Safe distribution of the procedures of dynamic programming method
    M.P. Revotyuk, **M.K. Karaoli**, V.V. Naimovich
    XII Belarus-Russian scientific and technical conference "Technical facilities for information protection" (28-29 of May 2014, Minsk). – Minsk, BSUIR, 2014. – P. 34.

27. Acceleration of multiple search for shortest paths on graphs
    M.P. Revotyuk, **M.K. Karaoli**, O.V. Kot, V.V. Naimovich
    "Information technologies and systems 2014" (ITS'2014): material of International conference (29 of October 2014, Minsk). – Minsk, BSUIR, 2014. – P. 304-305.

28. Incremental algorithm for solving the dynamic linear assignment problem
    M.P. Revotyuk, **M.K. Karaoli**, R. Khormozi
    "Information technologies and systems 2015" (ITS'2015): material of International conference (Minsk,28 of October 2015). – Minsk, BSUIR, 2015. – P. 288-289.

29. Dynamic redistribution of service locations
    M.P.Revotyuk, **M.K. Karaoli**, R.V. Kruglikov
    XIV Belarus-Russian scientific and technical conference "Technical facilities for information protection" (25 of May 2016, Minsk). – Minsk, BSUIR, 2016. – P. 39.