MAOLOUD YAKHLIF DABAB

Profile:

- Comfortable and proficient speaking in public and to large groups
- Substantial experience teaching and tutoring with excellent presentation skills
- High level of data modeling including advanced Microsoft Excel and R, and very knowledgeable about different data mining techniques
- Strong knowledge of Technology Management areas including Project Management, Strategic Planning, and Data Science
- Strong knowledge of Business Intelligence and Data Analytics, and work experience with big data
- Deep experience with Data Visualization Schematics using Tableau, Power BI, Google Data Studio
- Enthusiastic and amicable team player with a strong work ethic
- Critical thinker with effective researching skills and creative thinking skills to develop new programs and initiatives
- Highly proficient with PC software including Windows and Microsoft Office
- Significant experience with database collection and management, and reporting tasks

Education:

- PhD. Candidate in Engineering and Technology Management, ETM, Portland State University, Portland, OR, USA, GPA:3.93

- Graduate Certificate in Business Intelligence and Analytics, SBA, PSU, Portland, OR, USA, 2018

- M.S. in Engineering and Technology Management, PSU, Portland, OR, USA, 2017

- Graduate Certificate in Strategic Management of Technology, ETM, PSU, Portland, OR, USA, 2017

- Graduate Certificate in Project Management, ETM, PSU, Portland, OR, USA, 2017

- B.S. Degree in Telecommunication Engineering, Tripoli University, Tripoli, Libya, 2007

Academic Work Experience:

- Curriculum Developer, September 2018 – Present

  Portland State University, Portland, USA

  - Developing a "Getting Started Website" for new students
  - Preparing external material and resources for students to understand more
  - Monitoring improvements of students

- Graduate Tutor, September 2018 – December 2018

  Portland State University, Portland, USA

  - Tutored two graduate classes in BI Certificate (Operation Research – Regression Analysis)
  - Assisted ETM and BI students with preparing class projects
  - Followed up with students to ensure the success

- Collaborative Lecturer, February 2014 – September 2014

  Technical Engineering College, Zwara, Libya

  - Taught two courses (Mobile System – Digital Communication System 2)
  - Assisted students with preparing graduation projects
  - Prepared activities for students to practice using mobile data software

- ➢ Corporate Trainer, October 2009 – December 2014

  Almadar Aljadid Telecommunication Mobile Company, Tripoli, Libya

  - Trained students and led site-visit field trips
  - Integrated Corporate Social Responsibilities into company policy
  - Helped write the employee guide on working responsibly with an ethical code

- ➢ Teaching Assistant for two PhD and MA courses (Technology Roadmapping, R&D Management), ETM, PSU, Summer 2019

- ➢ Graduate Program Assistant at Fulbright Program Portland, Summer, IELP, PSU, 2017

Course Work Focus:

- ➢ Class projects and case studies analysis cover different engineering and business management areas such as:
  - Business Intelligence and Data Analytics
  - Big Data and IoT
  - Operations Research
  - Project Management
  - Decision Making
  - Strategy Management
  - Competitive Strategy in Technology Management
  - Finance Decision Making and Risk Management
  - Product Planning and Scheduling
  - Communication and Team Building
  - Technology Marketing
  - Science and Technology Policy
  - Technology Roadmapping
  - Entrepreneurship

Business Analyst Work Experience:

➤ Asset Management Analyst, March 2019 – Present

Asset Management Team, Water Bureau, City of Portland, Portland, OR

- Pulling data from Portland Water Bureau's GIS and Computerized Maintenance Management System
- Building Water Bureau asset hierarchy
- Assisting with Future Funding Needs Assessment project to predict the operation annual budget
- Working with field staff to collect data that will then be used to the project future asset need and cost

➤ Sustainability Data Analyst, October 2018 – Present

Campus Sustainability Office, Portland State University, Portland, OR

- Analyzing various data sets such as University utilities, waste totals, and campus purchases
- Assessing performance of educational resources and identify improvement opportunities
- Developing visual representations and a dashboard of data sets
- Assisting with tracking and evaluating the PSU Green Revolving Fund and annual report data

Leadership Work Experience:

➤ ICSP Member, Winter 2018 – Present

International Cultural Service Program, Portland State University, Portland, OR

- Promoting cross-cultural understanding at PSU and in the greater Portland area
- Giving in-person presentations and lead activities in Portland

- Spreading cultural awareness and help grow an appreciation for cultural differences
- Volunteering time as panelist, public speaking, and cultural liaison

➤ Mentor and Leadership Student, September 2016 – December 2017

Intensive English Language Program, Portland State University, Portland, OR

- Served as a resource for new IELP students and introduced the American university life
- Welcomed and interacted with students and teachers and assumed the role of peer mentor
- Provided support for IELP students by advising on the US education system and life of the student
- Organized new student orientation and led activities in student lounge

Technical Work Experience:

➤ Classroom Audio Visual Technician, September 2015 – March 2019

OIT Department, Portland State University, Portland, OR

- Provided necessary training to instructional technology users, including and faculty, staff, or students
- Provided troubleshooting and technical support over the phone or in the classroom
- Performed audio visual equipment reservations
- Maintained equipment within the AV office space, as well as within classroom
- Ensured that the university and Audio-Visual Services policies are followed

➤ Head of Radio Network Design Unit, March 2013 – December 2014

Almadar Aljadid Telecommunication Mobile Company, Tripoli, Libya

- Supervised three communication engineers
- Reported the daily, weekly and monthly operational issues

- Planned new sites by analysis of real traffic
- Designed indoor coverage solution with tools

➢ Radio Network Optimization Engineer, July 2008 – February 2013

Almadar Aljadid Telecommunication Mobile Company, Tripoli, Libya

- Monitored the Key Performance Indicators and network alarms
- Collected and analyzed data by drive test
- Improved the statistics of radio network
- Assisted customers with issues and technical questions

Internship:

➢ Future Fund Assessment Project Fall 2018 – Winter 2019

Asset Management Team, Water Bureau, City of Portland, Portland, OR

- Pull data from Portland Water Bureau's GIS and Computerized Maintenance Management System
- Create an asset hierarchy and compile all the asset attributes to be used in an asset management program that will upload the data and assist with future funding needs assessment planning.
- Work with field staff to understand the attributes and collect data that will then be used to populate the newly added attributes

➢ Main Replacement Prioritization Project, Spring 2018 – Summer 2018

Planning Team, Water Bureau, City of Portland, Portland, OR

- Updated the methodology used in the database to estimate project costs
- Made changes to the existing database, or create a new prioritization tool
- Coordinated with various Water Bureau workgroups to revise the project prioritization methodology

Achievements:

- Dr. Robert D. Dryden Memorial Scholarship Award of for the 2019-2020, MCECS, PSU
- Laurels Graduate Award for the 2018-19 and 2019-20, Graduate Office, PSU
- Student Leaders Recognition Award for Academic Excellence, SALP, PSU, April 2019
- Outstanding International Student Recognition Award, OISSS, PSU, April 2019
- People's Choice Awards in PhD Form ETM Poster, PSU, Portland, OR, February 2019
- Semi-finalist of PSU Cleantech Challenge, Center of Entrepreneurship, PSU, 2019
- People's Choice Awards in 3 Minute Thesis, PSU, Portland, OR, March 2018
- Student Employment Award Nomination Certificate, PSU, Portland, OR, April 2017
- Libyan Government Masters Scholarship Award 2015, 2016, 2017

Memberships:

- Omega Rho International Honor Society Treasurer, Portland State University Chapter, 2018-19
- American Society for Engineering Management membership, USA, Summer 2018
- Omega Rho International Honor Society membership, PSU Chapter, 2017
- Member of Portland Power BI User Group
- Member of Portland R User Group

Volunteering:

- On-site Organizing Committee Member at PICMET (Portland International Conference on Management of Engineering and Technology), 2017, 2018, 2019

- Multicultural Resource Center, World Oregon Non-profit Organization, Portland, OR, Winter 2018 – Now

- PSU graduation ceremony and ETM graduation ceremony 2018

- Maseeh College of Engineering and Computer Science, PSU International Student, and Portland State Intensive English Language Program orientations, Fall 2016, 2017, 2018

- PSU Free Food Market food distribution, PSU Committee for Improving Student Food Security and the Oregon Food Bank

- Portland Public Library, Capitol Hill Library, Portland, OR, July - September 2015

Publications:

- Contributing to *Operations Research Using R*, an open-source book by Dr. Timothy Anderson

- Contributing to *Data Envelopment Analysis Using R*, an open-source book by Dr. Timothy Anderson

- **M.dabab**, T.Anderson, " Exploring the Impact of Noise on Data Envelopment Analysis," 2019 INFORMS Annual Meeting Seattle, WA, 2019.

- **M.dabab**, T.Anderson, " An Assessment Of Decision Making Units' Efficiency In Service System," Student Research Symposium Poster, Portland, OR, 2019.

- **M.dabab**, T.Anderson, " Performance Assessment Of Service System Efficiency: A Case Of A Drive-Thru Service Chain," International Annual Conference, American Society for Engineering Management, Philadelphia, PA, 2019.

- **M.dabab**, M. Almuzel, R.Khalifa, D. Bakry, "Evaluation of the Entrepreneurship Program and Managerial Efficiency in the Middle East and North Africa," International Annual Conference, American Society for Engineering Management, Philadelphia, PA, 2019.

- **M.Dabab**, R.Khalifa, N. Beltaif, "An Assessment of Cellular Providers in Libya for Positional Improvements Using Hierarchical Decision Model," in Management of Engineering and Technology (PICMET)/IEEE, Portland, 2019.

- N. Jacqueline, **M. Dabab**, T. Anderson, " Benchmarking and Evaluating the Efficiency of Mass Transit Systems Based on Best Practice Using Data Envelopment Analysis," in Management of Engineering and Technology (PICMET)/IEEE, Portland, 2019.

- R. Khslifa, **M.Dabab**, H. Barham, " A Preliminary Strategic Framework for Enhancing the Sustainability of International Technology Transfer: The Case of Libya," in Management of Engineering and Technology (PICMET)/IEEE, Portland, 2019.

- D. Bakry, **M.Dabab**, R. Khalifa, " Reflection of Critical Thinking on the Sustainable Educational Development: A Case Study of the Middle East and North Africa," in Management of Engineering and Technology (PICMET)/IEEE, Portland, 2019.

- D. Bakry, R. Khalifa, **M.Dabab**, "The Effectiveness of Entrepreneurship Programs to Reduce Unemployment in Developing Countries: The case of Saudi Arabia," in Management of Engineering and Technology (PICMET)/IEEE, Portland, 2019.

- **M.dabab**, T.Anderson, "Benchmarking Cellular Technical Efficiency Using Data Envelopment Analysis," International Annual Conference, American Society for Engineering Management, Coeur d'Alene, 2018.

- **M.Dabab**, C.Weber, "Business Intelligence and Data Analytics as a Driver of Dynamic Capability Strategic Approach," in Management of Engineering and Technology (PICMET)/IEEE, Honolulu, 2018.

- **M.Dabab**, M.Freiling, N.Rahman, D.Sagalowicz, "A Decision Model for Data Mining Techniques," in Management of Engineering and Technology (PICMET)/IEEE, Honolulu, 2018.

- **M.Dabab**, R.Craven, H.B, E.Gibson, "Exploratory Strategic Roadmapping Framework for Big Data Privacy Issues," in Management of Engineering and Technology (PICMET)/IEEE, Honolulu, 2018.

- M. Saadatmand, **M.Dabab**, C.Weber, " Dynamics of Competition and Strategy: A Literature Review of Strategic Management Models and Frameworks," in Management of Engineering and Technology /IEEE, Honolulu, 2018.

- **M. Dabab**, "An Overview of Mobile Indoor Coverage: A Case Study of a Local Mobile Operator," Almadar Journal for Communication, Information Technology, and Application, April 2016, Vol.03, No. 01.

Publication Services:

- Editorial Assistant at PICMET (Portland International Conference on Management of Engineering and Technology), 2018-19

- Reviewed a paper "Modeling and Optimization Approaches for Satellite Broadcast Scheduling Problem" for IEEE Journal - Transactions on Engineering Management

- Reviewed a paper ""Improvement of Downlink LTE System Performances Using Nonlinear Equalization Methods based on SVM and Wiener-Hammerstein" for The Journal of Mobile Communication, Computation and Information - Wireless Networks, Springer

Professional Qualifications / Training:

- Power BI Dashboard in a Day event, CSG Pro consultants, Portland, OR, 2019
  - Learned how to analyze data in a rich and compelling way
  - Learned how Power BI can facilitate data-driven decisions
  - Learned how to increase the ability to meet organizational requirements around data visualization and analysis
- IB Wave Software Certificate, Marrakech, Morocco, 2013
- Radio Network Design & Planning Courses, Shenzhen, China, 2013
- Radio Network Optimizing Courses, Roma, Italy, 2012

Interests:

- For fun, Maoloud likes traveling, meeting new people, discovering new cultures, sea sports, and loves to get outside and enjoys the natural wonders of the Pacific Northwest. His favorite activity in Portland is hiking on trails and meditating while sightseeing.