

Khalifeh Al Jadda

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Summary of Qualifications

- 5+ years of experience in machine learning and data mining
- 3+ years in data science and Big Data analytics.
- 9+ years of experience in software development (OO programming).
- 5+ years of experience in web development by using **Java (webwork, Struts2 framework), Freemarker, and Hibernate.**
- 5+ years of mastery of designing and implementing **RDBMS** using **Microsoft SQL Server.**
- 5+ year of designing and implementing **RDBMS** using **PostgreSQL.**
- 5+ year of experience using **Ant, SVN, Tomcat, and JBoss.**
- 3+ years of training experience as full time lecturer.
- 3+years of experience as computer lab supervisor and teaching assistant.
- Skillful in **object-oriented** programming paradigm especially in **Java ,C# ,C++.**
- Excellent problem solving and communication skills and proven abilities in requirements gathering, analysis, and development.
- Self-motivated, quick learner and key team player with excellent academic background.
- Strong knowledge in web services SOAP and RESTful.

Professional Experience:

Data Scientist in the Search Relevancy and Recommendations at Careerbuilder.com (May-2014 – Now)

Leading the data science effort to implement the backend of the Semantic Search Engine for Careerbuilder.com.

Designed and implemented fully automated QA system for the search engine utilizing implicit user feedback. The big data platform used in this project is Apache Spark. This QA system will be submitted as research paper to ACM RecSys 2016.

Software Engineer Intern at Careerbuilder.com (05-2013 to Aug-2013) Atlanta, GA, USA

My tasks focused on creating a behavioral user profile by using Data Mining and Big Data Analytics techniques. To achieve this goal I worked on the following algorithms: Crowd Based Recommendations, Latent Semantic Indexing, K-NN classification. The technologies used in these projects include(**Apache Hive, Apache Hadoop, Cloudera Hue, Apache Solr**).

Graduate Research Assistant (01/10 - 05/14) *University of Georgia, Athens, GA, USA*

Designed and implemented Glycomic Elucidation and Annotation Tool (GELATO). This is the first free available MS annotation tool for glycomics that can annotate MSⁿ data. The tool is used as the annotation module in Grits-Toolbox http://www.grits-toolbox.org/?page_id=52

Designed and implemented Annotation Enhancement Graph (SAGE) which is the first machine learning tool for MS annotation in Glycomics.

Designed and implemented the front end and back end of the Isobol Curator. Isobol Curator is a scientific tool designed to help the scientists in the glycomics community to create, interact with, and view isobols which refers to Glycans of the same mass and structural features. This tool is running and used now in the CCRC and will be open publicly very soon. Please visit

<http://glycomics.ccr.c.uga.edu/IsobolCurator/personal.action>

IT Consultant (10/2009-1/2010) *Maharishi Univ. Of Management (MUM) Iowa, USA*

Served as IT Consultant at MUM, the project was for the placement office of computer science department. I analyzed, designed and developed the database of this project. The technologies used in this project were SQL server 2008, MS Access 2007.

Computer Science Lecturer (09/06 – 02/09) *King Saud University, AlMajmaah community college, Saudi Arabia.*

- Taught C++, Data structures, VB. NET, C# .
- Supervised 5 undergraduate projects.
- Chairman of cultural committee with more than 7 faculty members. This committee successfully organized several events that awarded at the end as the most active committee in the college.
- Team leader for developing college's web site.

Education

- **PhD in Computer Science**, University of Georgia, Athens, GA, USA (Jan-2010 - Dec-2014)
 - **GPA 4.0**
- **MSc in Computer Science**, Jordan University of Science and Technology, Irbid, Jordan, 2006.
- **BSc in Computer Science**, Jordan University of Science and Technology, Irbid, Jordan, 2002.

Skills:

- **Big Data:** Spark, Hadoop, Hive, Hue, HDFS, Solr, **Programming Languages:** Java, C#, C++ , Scala, Python, **Web Technologies:** Freemarker, ASP.NET, HTML, XML, **Frameworks:** Struts2, WebWork, .NET framework 2.0, **DBMS:** Microsoft SQL Server 2008, PostgreSQL, **Persistence Frameworks:** Hibernate, ADO.NET, **Subversion Technologies:** SVN, Mercurial, **Web Servers:** Tomcat, JBoss, **Operating Systems:** Linux (Ubuntu), Win9x, Win2k, Vista, Win 7, **Ontology Tools:** Protégé, **Data Mining Tools:** Weka., Spark MLlib

Publications:

- Walid Shalaby, **Khalifeh AlJadda**, Mohammed Korayem, Trey Grainger “**Entity Type Recognition using an Ensemble of Distributional Semantic Models to Enhance Query Understanding**” submitted to IEEE COMPSAC 2016.
- “Mohammed Korayem, Camilo Ortiz, **Khalifeh AlJadda**”, Trey Grainger, “**Large Scale Word Sense Disambiguation Using Behavioral Data**”, ”, IEEE international conference on Big Data 2015.
- “**Khalifeh AlJadda**, Mohammed Korayem, Trey Grainger”, “**Improving the Quality of Semantic Relationships Extracted from Massive User Behavioral Data**”, IEEE international conference on Big Data 2015.

- **"Al Jadda, Khalifeh;** Porterfield, Melody P; Bridger, Robert; Heiss, Christian; Tiemeyer, Michael; Wells, Lance; Miller, John A; York, William S; Ranzinger, Rene; **"EUROCarbDB (CCRC): a EUROCarbDB node for storing glycomics standard data"**, *Bioinformatics*, 31,2,242-245, 2015, Oxford University Press
- **"AlJadda, Khalifeh;** Korayem, Mohammed; Ortiz, Camilo; Grainger, Trey; Miller, John; York, William S; **"PGMHD: A scalable probabilistic graphical model for massive hierarchical data problems,"** *Big Data (Big Data)*, 2014 IEEE International Conference
- **"AlJadda, Khalifeh;** Korayem, Mohammed; Ortiz, Camilo; Russell, Chris; Bernal, David; Payson, Lamar; Brown, Scott; Grainger, Trey; **"Augmenting recommendation systems using a model of semantically-related terms extracted from user behavior"** *CrowdRec Workshop, ACM RecSys2014*,
- **"Ranzinger, Rene; Porterfield, Mindy; Weatherly, Brent; Myoung, Ki Tae; AlJadda, Khalifeh; Aoki, Kazuhiro; Tiemeyer, Michael; York, William; "SimianTools: A software suite for enhancing throughput and evaluation of mass spectrometry-based glycomics datasets"**, *GLYCOBIOLOGY*, 23,11,1358-1358, 2013, "OXFORD UNIV PRESS INC JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA"
- **"Ranzinger, Rene; Weatherly, Brent; Khan, Shahnawaz; AlJadda, Khalifeh; Porterfield, Mindy; Tiemeyer, Michael; York, William; "GRITS Toolbox-A freely available software suite for the interpretation of glycomics high-throughput MS/MS data"**, *GLYCOBIOLOGY*, 24,11,1161-1161, 2014, "OXFORD UNIV PRESS INC JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA"
- **"AlJadda, Khalifeh;** Korayem, Mohammed; Grainger, Trey; Russell, Craig; **"Crowdsourced query augmentation through semantic discovery of domain-specific jargon,"** *Big Data (Big Data)*, 2014 IEEE International Conference
- **Khalifeh Al Jadda,** Rene Ranzinger, John Miller, William York, **"IsO and Isobol Curator: An Ontology and Web-based Tool to Formalize Subjective Knowledge used for MS Annotation"**, *ISBRA 2013*, North Carolina, USA.
- **Khalifeh Al Jadda,** **"Enhancing Web Clusters' Quality by Using User Browsing Time"** (book), LAP Lambert Academic Publishing, 2011.
- **Khalifeh Al Jadda,** Haseeb Yousef, René Ranzinger, William York, **"EUROCarbDB_{CCRC} – Database for high quality mass spectrometry data"** (poster), WarrenIII workshop 2010, Sweden.
- Rehab Duwairi, **Khaleifah Al Jadaa,** **"Enhancing Cluster Quality by Using User Browsing Time"**, *ACIT'2006*, Yarmouk University, Jordan.

Honors and Awards:

- Invited Speaker to "The Data Science Conference" 2016.
- CareerBuilder Hackathon winner (Q1, Q3 2015)
- Selected for Phi Kappa Phi honor society membership 2015.
- Full scholarship from University of Georgia (Jan 2010 Present).
- Listed on the honor list of College of Information Technology, Jordan University of Science and Technology (J.U.S.T) (2000).
- Elected to represent graduate students in student union of J.U.S.T (2005-2006)

Research interest:

Big Data Analytics, Data Mining, Data Science, Machine Learning, Bioinformatics, Semantic Web, Distributed Computing.

References:

Name	Job	Institute	Email
William S. York	Professor of Biochemistry and Molecular Biology	Complex Carbohydrate Research Center (CCRC)	will@ccrc.uga.edu
Trey Grainger	Director of Search and Recommendations	Careerbuilder.com	Trey.Grainger@careerbuilder.com
Khaled Rasheed	Associate Professor	University of Georgia	khaled@uga.edu
Rehab M. Duwairi	Dean of Information Technology	Jordan University of Science and Technology	rehab@just.edu.jo