

CV

Mohammed Aqlan



Personal Info.

Full Name	Mohammed Ahmed Abdo Aqlan
Date and Place of Birth	1982, Taiz, Yemen
Country of Citizenship	Yemen
Postal Address	(Street) 20 Street (Postcode) 1308 YE.SA.MA (City) Sana'a (Country) Yemen
Telephone	(Home) + 967 469817 (Mobile) + 967 772293066
Email	(Personal) mohammed.aqlan.edu@gmail.com (Work) m.aqlan@ust.edu
Current Workplace	University of Science and Technology, Faculty of Computing and IT ☑

Portfolio

I am		
Study toward school education with scientific track	1988 - 2000	
Assistant family business	1996 - 1999	
Running own business	1999 - 2005	
Service as an administrator at a school	2000 - 2001	
Study toward the bachelor degree	2001 - 2005	
Work as academic, administration and technical at university	2005 - Present	
Study toward the master degree	2008 - 2011	
Prepare toward the doctoral degree	2014 - Present	

Education

Higher Education	2008 - 2011: Computer Information Systems — Master The arab academy for banking and financial sciences ☑, Sana'a, Yemen, with a percentage of 84.83% My thesis in educational semantic search engine, with a mark of 95 out 100 (List of master's courses below)
	2001 - 2005: Computer Science — Bachelor University of Science and Technology ☑, Taiz, Yemen, with a percentage of 88.62% My graduation project in enterprises systems development, with a mark of 98 out 100 (List of bachelor's courses below)

Training

	Subjects	Company
1	English Communication	YALI Institute
2	SPSS Statistics	TLC, UST ↗
3	Courses and Programs Description	TLC, UST
4	Alternative Evaluation Methods	TLC, UST
5	Measurement and Evaluation	TLC, UST
6	Scientific Writing	TLC, UST
7	Develop faculty's program specification document	CIT, UST ↗
8	Prepare and review courses description	CIT, UST

	Open Online Course (Self learning without record of achievement and certificates)	Platform
1	Web Technologies	MOOC of HPI ↗
2	Knowledge Engineering with Semantic Web Technologies	MOOC of HPI ↗
3	Information Retrieval and Web Search	Stanford Course Online ↗
4	Natural Language Processing	Stanford Course Online ↗
5	Information Theory	Khan Academy ↗
6	JavaScript and Node.js Training	Telerik Academy Alpha ↗

Research Interests

Computing Sciences and Information Technology:

Web information systems with meaning and semantics technologies, and knowledge representation, retrieval and extraction (search engine, semantic web, natural language processing, machine learning, ontology, metadata, thesauri, taxonomies and topic maps). Data analysis.

Education:

Educational technology, self-directed learning, design thinking, mind mapping and core competencies for education

Administration:

Productivity tools and logistics planning

Experience

Academic Experience:	2005 - Present
Science and Engineering College— Research Assistant	
Computing and Information Technology College— Assistant Lecturer	
Administrative Experience:	
Examination Committee— Commissioner	
Learning Management System Unit— Coordinator	
Branches Management Unit— Coordinator	
Quality Assurance Unit— Coordinator	
University Requirements Unit— Coordinator	
Graduation Projects — Supervisor	
Information Technology Department— Academic Advisor	
Curriculum Committee— Commissioner	

Accomplishments

Achievements of Academic Experience:

Information Technology Department, CIT, UST — Assistant Lecturer	(6yrs)
<p>Courses creating and teaching.</p> <p>Current teaching courses:</p> <ul style="list-style-type: none"> ■ Selected Topics in Information Technology (In topics of information retrieval, natural language processing, probabilistic language modeling (N-grams), lexical semantics and multilingualism, WordNet and global WordNet, representation knowledge and, management of web data) ■ Web Application Programming (back-end development in topics of Node.js, PHP, MVC ASP with Mysql and SQL Server) ■ Web Design (front-end development in topics of HTML5, CSS3, Javascript, Javascript libraries like Bootstrap and Jquery, and using the content management system like Wordpress and Joomla) ■ Information Systems Development (In topics of object-oriented analysis and design with UML) <p>Former teaching courses:</p> <ul style="list-style-type: none"> ■ Object Oriented Programming (using Java language) ■ Problem Solving and Programming (using C++ language) <p>Adept at creating and teaching study materials in a variety of academic courses in departments of information technology, computer science and information systems based on the educational technologies to help students improve their education, knowledge and skills.</p>	
Computer Science Department, College of Engineering, UST — Research Assistant	(7yrs)
<p>Laboratory and practical training.</p> <p>Former laboratory and practical training:</p> <ul style="list-style-type: none"> ■ Artificial Intelligence (using Prolog language) ■ Human Computer Interaction (using Visual Basic language) ■ Database management systems (using Oracle Database) <p>Dealing with a number of Database management tools and number of tools of information systems development (e.g. SAP PowerDesigner, Toad Software, Crystal Reports, Microsoft Visio, StarUML, etc.), Programming tools and integrated development environment (e.g. Brackets and Git, WebMatrix, Eclipse, Microsoft Visual Studio, etc.), a number of web server stack package(e.g. WampServer, XAMPP, IIS-Internet Information Service) and ability of learning new of these.</p>	

Achievements of administrative experience:

Graduation Projects, CIT, UST — Supervisor	(4yrs)
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Supervising a team working on a graduation project.
 Motivate the project team on innovation and creativity, and guide them to appropriate and modern tools and methods to achieve the best way out of the projects.

University Requirements Unit, CIT, UST — Coordinator	(5yrs)
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Member of the University Requirements Council which, discusses the constituent materials for whole students of separate departments and colleges of the university.
 Follow-up and updating courses of core competencies that seek to prepare students to study their programs well by taking advantage of all the different disciplines of the university and share the resources of different faculties in order to serve these materials and reduce their cost.

Curriculum Committee, CIT, UST — Commissioner	(7yrs)
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Description, evaluation and review of programs and curricula.
 Contribution to develop and review program specification document of information technology department, according to based on bylaws, constitution and rules of procedure of ABET [®]. Create a course description document of the Web Design and Web Application Development Courses that approved by Ministry of Higher Education and according to the rapid evolution of information and communication technology:

Information Technology Department, CIT, UST — Academic Advisor	(8yrs)
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Member of the department Council. Follow up the challenges and obstacles of students and solve them in coordination with the Student Affairs Unit.
 Advise and encourage students to diligence in addition to directing them commensurate with the tracks college programs on the one hand and the wishes of the students and their levels on the other hand.

Quality Assurance Unit, Faculty of Engineering, UST — Coordinator	(1yrs)
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Coordinating the requirements of the quality assurance unit to measure and ensure the validity and integrity of the educational process.

Branches Management Unit, College of Engineering, UST — Coordinator	(1yrs)
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Coordination between the branches of the Faculty of Computing and its main center with respect to plans and descriptions of programs and curricula.
 Harmonization and harmony of the work of the branches and the main center.

Learning Management System Unit, College of Engineering, UST — Coordinator	(2yrs)
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Coordination of the implementation of the learning management system in the Faculty of Engineering includes the preparation and definition of the requirements and the training of users on different kinds and their specialties on the system.
 Successful implementation and acceptance of the system that was applied for the first time.

Examination Committee, College of Engineering, UST — Commissioner	(2yrs)
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Organizing the examination process in accordance with the students, the materials and resources available, in addition to communication and supervision of its progress. Measurement and evaluation of students' results.

Achievements of research interests:

Computing Sciences and Information Technology:
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Distinguish between types of search engine, and the ability to design the elements of search engine to improve results and performance based on semantics.
 Dealing with a number of tools of (big-)data analytics, reasoning and statistics to discover and get a structure and visualization the knowledge (e.g. Yovisto and IBM).

Education:

Building and using a personal learning network very well.
 Dealing with a number of a number of front-office and back-office of educational technologies. **Front-office:** Massive Open Online Courses (e.g. edX, openHPI, tele-TASK, Udemy and Coursera), Learning Management Systems (e.g. Moodle, Google Classroom and Blackboard). **Back-office:** Training Management Systems, Learning Record Store (e.g. Callisto of OpenEd), Competency Management Systems (e.g. GPP Digi and Kahuna Workforce)
 Using a number of IT-tools and technologies that improving the work environment (e.g. G Suite for education and business)

Using principles of design thinking to make up the innovative solutions and the development of prototypes, and mind mapping tools (e.g. MindMeister) to organize and explain the information. So, I have become more contemplative in a better lifestyles, work environment and education and therefore have many creative ideas about innovative tools and systems.

Administration:

Being able to get more done in less time, good mentoring, excellent interpersonal, communicating with students/team and logistical planning using modern tools of project management, communication & collaboration, tasks and time tracking, note-making, distractions and focus, version and source control (e.g. GitHub)

Honors and Award:

- Distinguished teaching Awards.
- Outstanding administrative work Awards.
- Award for the supervisor of the best graduation project.
- Outstanding use of the learning management system.
- Active participation in the workshops Awards.
- Best Bachelor's Graduation Project Award.
- Bachelor's Graduation Project with honors.
- Master's thesis with honors.



Skills

<p>Academic</p>  <p>Lecturing/tutoring. Examination/marking. Report writing. Classroom organization and discipline. Assessing students.</p>	<p>Management</p>  <p>Organization & planning. Appropriate delegation and mentoring. Working under pressure, on multiple and parallel tasks.</p>
<p>Dynamic</p>  <p>Flexibility and willingness to learn. Diversity and career progression. Self-study, self-motivate and self-reliant.</p>	<p>Personality</p>  <p>Think new, work differently, creative process and capacity for innovation. Making learning enjoyment and working.</p>

Abbreviations and Terms

Item	Descriptions
UST	University of Science and Technology 🔗
CIT	Faculty of Computing and Information Technology 🔗
TLC	Teaching and Learning Center 🔗
YALI	Yemen-America Language Institute 🔗
ABET	It is an organization that accredits college and university programs in applied and natural science, computing, engineering and engineering technology 🔗
SPSS	Statistical Package for Social Sciences. It is an interactive and statistical analysis software package for the social sciences 🔗

Higher Education Courses

Courses	
 Bachelor	<p>Mathematics(1) Mathematics(2) Mathematics(3) Physics(1) Physics(2) Limited Structures Probabilities & Statistics Numerical Analysis Logic Design</p> <p>Basic of Programming Application Programs(1) Application Programs(2) Computer Programming Object Oriented Programming(1) Object Oriented Programming(2) Data Structures and Algorithms Analysis Web Programming Microprocessor & Assembly Language Computer Architecture(1) Computer Architecture(2) Database Systems(1) Database Systems(2) Database Systems(3)</p>
 Master	<p>Operating Systems(1) Operating Systems(2) Software Engineering(1) Software Engineering(2) Computer Networks Data Structures and Algorithms Analysis Systems Development(1) Systems Development(2) Neural Networks Artificial Intelligence(1) Artificial Intelligence(2) Web Technologies(1) Web Technologies(2) Digital Image Processing Compiler Building Network Security</p> <p>Principles of Management Accounting Technical Reports Research Methodology</p> <p>Other Courses of University Requirements . . .</p> <p>E-Business Information Systems Management Advanced Knowledge-Based Systems Information Systems Security Advanced Systems Analysis</p> <p>Advanced Operating Systems Advanced Databases Software Engineering Advanced Computer Networks Research Methodology</p>

References

Research adviser and my work placement references:

Work Placement	<p>Dr. Abdulqader M. Al-Abbadi Dean, Faculty of Computing and IT, University of Science and Technology. Email: cit.dean@ust.edu</p> <p>Dr. Belal Al Fuhaid Head, Department of Computer Science, University of Science and Technology. Email: belalarh@ust.edu</p>
Research Adviser	<p>Prof Dr. Abdul Raqib Abdo Asaad Department of Electronic Engineering, Sana'a University and University of Science and Technology Email: araasaad@yahoo.com</p>