

Peyman IRAVANI



08/13/1990 TEHRAN IRAN

Nationality: Iranian

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EDUCATION

08/29/2014 - 07/26/2018

* [Master's Degree in Computer And Communication Networks Engineering](#)

Politecnico di Torino

Thesis: Energy Efficient Data Center Operation: Measurements and Analysis

In the contemporary world, the vast majority of organizations throughout the world manipulate the information systems to their businesses. Hence, data centers which fall into the category of information systems play the supreme role in the most organizational operations for the purpose of ensuring the business continuity. Causing the interrupt in the running status of the system would create the Irreparable impact on businesses. Therefore, optimizing the surrounding that servers and storage devices are located become extremely challenging. Almost all design the data center infrastructures for the sake of handling the peak load conditions in order to make sure that the hosted environment works almost continuously but the maintenance of such systems is very costly. This fact elaborates the necessity of having the durable system that regulates the energy consumption as well as reduce the maintenance cost of such environments and simultaneously ensuring the optimal performance of the system. In the classical method, a Fluid dynamic model is implemented in order to properly model the dynamic and complex environment of a datacentre. But the traditional approach, substantially long time to yield the steady state as the result it causes the loss of productive time and resources. We proposed the ARIMA time-series forecasting in order to predict the behavior of whole data center system but meanwhile promise a faster convergence and therefore a higher performance. By having the datacenter which have changing server heats and fans speed, our system has an objective to accurately predict the power which is used by IT loads that passing through the datacentre. Furthermore, in this thesis, we take the predicted values which were generated by predictor and use them as the input to the optimizer in order to reduce the whole power consumption of the datacentre.

Supervisors Mellia M.

10/01/2008 - 05/30/2013

[Laurea Degree in Software engineering](#)

software engineering - Damavand Islamic Azad university, Iran

INTERNATIONAL EXPERIENCE

06/11/2018 - 06/12/2018

[Tobi hack - Won the first place](#)

Vodafone - Milan - ITALY

04/17/2017 - 10/01/2017

[Master thesis](#)

RWTH university - Aachen - GERMANY

PROFESSIONAL EXPERIENCE

05/22/2013 - 07/24/2014

Test and monitoring network engineering

Shatel - Tehran - IRAN

I was working at the team that consist of 30 people and this team was accountable to support the monitoring infrastructure in delivering and maintaining the system management event monitoring capabilities

Permanent Employment

10/31/2012 - 04/24/2013

Internship, Configuration and maintain of HP servers

Shatel academy - Tehran - IRAN

During my internship I was responsible for configuration and maintenance of HP servers of Shatel academy by using VMware/VSphere

Internship

LANGUAGE SKILLS

Mother tongue

Persian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Armenian	A2	A2	A2	A2	A1
English	C1	C1	C1	C1	B2
German	A1	A1	A1	A1	A1
Italian	B1	B1	A2	A2	A2

Language certificates

2013 IELTS : 6.5

COMPUTER SKILLS

OPERATING SYSTEM

Windows (Windows 7-8-10, Windows Server 2013-2018)

Linux

advanced level

PROGRAMMING
LANGUAGE/CODE

C C++ C#

Python

AWK

SAS

CSS

HTML

ASP

Node.js

Erlang

PROGRAMS/SOFTWARE

1. Rapid miner
2. Wireshark
3. Omnet++
4. VMware/VSphere
5. SharePoint
6. Matlab
7. RadioMobile
8. tensor flow

DATABASES Oracle
MySQL
SQL
MongoDB
Hadoop
MapReduce

GRAPHICS Photoshop
good level

SPREADSHEET Excel
Tabula

PERSONAL SKILLS/OTHER SKILLS

- . Excellent written and oral communication capability
- . Ability to read, understand and communicate technical documentation
- . Strong background in Python and SQL
- . Strong coding ability both in producing clean and efficient code as well as debugging and understanding large code bases
- . Apply machine learning and graph analysis techniques for a wide range of modeling and relevance problems
- . Relevant knowledge of machine learning and data mining concepts with an understanding of supervised and unsupervised learning methods (such as Regression, Decision tree, Time-series forecasting, clustering, SVM, etc.)
- . Experience with database technologies such as SQL, Hadoop, MongoDB

Additional

INFORMATION Project

1. Radio coverage of Ireland by using RadioMobile software –Radio planning course project-July 2016
2. Network performance and reliability measurement-network measurement lab Project-January 2016
3. Provide a model for fraud detection in mobile banking transaction system- April 2016

Certificates

1. MCSE
2. MCSA
3. CCNA

EXAMS *

Master's Degree in Computer And Communication Networks Engineering

conference date	Exam	Credits
06/15/2015	Network management and QoS provisioning	6
06/16/2015	Database management systems	8
06/26/2015	P2P and multimedia applications	6
07/01/2015	Network simulation	8
07/14/2015	Mobile and sensor networks	6
02/01/2016	Stochastic processes	6
02/16/2016	Network measurement Lab	6
06/28/2016	Radio planning	8
09/16/2016	Operational research: theory and applications	8
02/06/2017	Communication systems	6
03/03/2017	Switching technologies for data centers	8
01/29/2018	Complex networks: theory and applications	6
01/31/2018	Special Project	2
02/28/2018	System programming	6
07/26/2018	Thesis	

