MAHMOUD ABURUB
Turgay Cekli Sok, No 14 K.Kaymakli
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Turkey
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TARGET/OBJECTIVE

Optimization, Programming, Hardware maintenance, Networks, Optical Wireless Communication, Evolutionary Algorithms, Web Development, Database enhancement and Cyber Security.

ACCOMPLISHMENTS

1. Building Evolutionary Computing library and Digital Signal Processing using Java for applying Optical wireless communication simulation and optimizations for Optical Wireless Communications parameters. PhD publications and thesis.
2. Built optimization library to solve COP problems. Master's Thesis research/project
3. Planted seeds classifications system using back propagation neural networks.
4. Research in Wi-Fi and Wi-Max Technology and History. graduate research/project
5. Built news channel on-line system, Software Engineering course.
6. Built shared university library, e-commerce project.
7. Built restaurant reservation system course project.
8. Built yahoo messenger like program, in Advance Java Topic course project.
9. Built company infrastructure network and devices analysis MCSE course.

PROGRAMMING LANGUAGES

C++	C#	ASP.NET	VB.NET	JAVA	PYTHON	PHP
OPEN_GL	JAVA SCRIPT	JQUERY	AJAX	HTML	JSP	WORDPRESS
CSS	XML	X Code	Objective C			

DATABASE

MySQL	SQL	T-SQL	PL/SQL

DATABASE SERVERS

Microsoft SQL Server	MySQL Server	Derby Database Server

OPERATING SYSTEMS

Windows/Servers	Open Susi	Mac OS	FreeBSD
CentOS/Server	Ubuntu/Server		

NETWORKS AND MAINTENANCE

MCSE	CCNA	NETWORK +	A+
PFSENSE	UNTANGLE	IPCOP	FORTINET
ELASTIX IPX			

GRAPHICS SOFTWARE

Corel Draw	Adobe Photoshop	FreeCAD	Gimp

EDUCATION

1. Cyprus International University, PhD in Computer Engineering starts in 2016.
2. Near East University, M.S. in Computer Engineering, June 2012
3. Arab American University, B.S. in Computer Information Technology, April 2007
4. Arab American University, A.S. in Programming and Database Analysis, April 2004

PhD Courses Work

Advance Programming Languages	Performance Evaluation of Computer Networks
Advanced Database Management Systems	Operating System and Network Security
Optical Communication Network	Systems Programming and Applications
Computer Organization	

GRADUATE COURSEWORK

Fuzzy Systems	Data and Computer Communications	Expert Intelligent Systems	Genetic Algorithms
Pattern Recognitions	Advance Software Engineering	Soft-Computing	

HONORS

1. Arab American University – Dean's List 2003
2. Eastern Mediterranean University scholarship for honor student

LANGUAGE SKILLS

1. Fluent in Arabic
2. Proficient in English and Turkish

REFERENCES

1. Assoc. Prof. Dr Mehmet Toycan, Electrical Engineering Faculty, Rector Advisor, Cyprus International University, Northern Cyprus, mtoycan@ciu.edu.tr, +90 392 671 1111
2. Prof. Dr. Adel AMIRCANOV, Computer Engineering Faculty-Instructor, Near East University, aamircanov@neu.edu.tr, +90 (392) 444 0 NEU / 573.
3. Prof. Dr. Rahib H. ABIYEV, Computer Engineering faculty-Chairperson, Near East

University, rahib@neu.edu.tr, +90 (392) 444 0 NEU / 383.
4. Ass. Prof. Elbrus Imanov, computer Engineering Faculty-Instructor, Near East University, eimanov@neu.edu.tr, +90 (392) 444 0 NEU / 573.

INTERESTS

Reading philosophy and poetry, swimming, Political science, Political Strategies, horses riding

COURSES

Courses	Category
Computer Network1	Network topology and theory
Computer Network 2	Router Programming Switches, Network Technology, Analysis and Subnetting
Fundamental of research methods	Research methods
Speech communication and technical English	Course related to information technology
Digital logic	Digital Circuits Design
Business and enterprise basic	Management/ business
Computer organization	Computer architectures
Software engineering	Software engineering
Financial accounting	Accounting
Artificial Intelligent	Machine Learning
Seminar	Parallel Algorithms and uses
Senior project	Practical graduation project
Project Management	Software engineering projects management and analysis
Electronic Commerce	Business
Algorithms and programming Techniques	Algorithms time analysis and optimization
Computer Graphics	Open_GL via C++
Interoperability between different OS Networking	Interoperability between different OS Networking
Unix Basic	Unix OS
MCSE	Microsoft Certified System Engineering
Data Structure Using C++ Advance	Computer Data Structure
PC Upgrade & Maintenance	PC Upgrade & Maintenance

WORKING IN TRNC

- **Information Technology**

Hamidi Advance Systems LTD

04.2014-10.2015 LEFKOSA- Turkey Part-Time

System testing, Server maintenance, TV Broadcasting construction, portable systems, Security Systems (CCTV).

- **Programmer**

Uzim Computers LTD

09.2014-04.2015 LEFKOSA - Turkey Part-Time

iPhone Applications Objective-c, Web Development, Technical Support**.**

- **ERP Consultant** (LOGO)

Navion Consulting LTD

06.2012- 12-2015 LEFKOSA - Turkey Full-Time

Technical Support, Network, System Consulting, Parking System, CCTV, Network Construction, Firewall etc

- **Security Manager and System Consulting**

Gigabyte LDT
10/2014-12-2015 LEFKOSA - Turkey Part-time
Technical support, Networking Consulting, Pf-Sense firewall, End-point Security, Linux OS installation and maintenance, POS machines.

- **Programming assistant IBM BPM**

Near East Bank
1-2016 -5-2016 LEFKOSA – Turkey Full-time
IBM BPM, Oracle Database, Java-script, CSS, IBM BPM services, Processes.

- **ERP Consultant, ITIL, Networks, Programming MVC (codeigniter)**

Levent Insaat LTD
05-2016- 4-2018 LEFKOSA -Turkey Full-time
Codeigniter Framework, IFS ERP, LOGO ERP, Tiger HR, ITIL, Technical Solution, Alfresco, Teaching ERP usage for employees.

- **ERP consulting, Security, Network, Programming, Linux, Windows Server, MS-SQL server, POS Machines, ITIL. "IT Manager"**

Oztunc group LTD

05-2018- 05-2019 Girne -Turkey Full-time
Construction of infrastructure IT system, Network, PF-SENSE, IT management and users privileges, LOGO ERP consulting, LOGO setting, Users Privileges and POS terminal system management, Backup, NCR and ArtOffice administration, Technical assistant remotely for end users, maintenance, Mail server, Security System (surveillance) maintenance.

- **IT uzmanı**

High Level Software
6-2019-Now Technical support, Networking Consulting, End-point Security, Linux, online education system, and school IT support.

Publications and Conference:

Improving performance of indoor visible light communication systems with hexagonal designed LED transmitters Mahmoud Khaled Aburub, and Ahmetjan Bekenov AIP Conference Proceedings **1997**, 020032 (2018); https://doi.org/10.1063/1.5049026

Teaching
Cyprus International University- Part-time instructor
- Spring semester 2020-now course instructor in engineering faculty for introductory courses.