

Personal information



Name : Eslam Mohamed Mahmoud Gaballa
Gender : Male
Birth : September 26, 1984 - Alex., Egypt
Nationality : Egyptian
Marital status : Single
Email : eslamgaballa@gmail.com;
eslamgaballa@yahoo.com;
eslam.gaballa@aast.edu

Objective

Work as key player in a creative environment

Education

- Bachelor Degree in Computer Engineering (JUNE 2006) (Grade: Excellent W Honor)
Arab Academy for Science and Technology, Alex., Egypt.
- Master of Science in Computer Engineering (APRIL 2014) (Grade: Excellent)
Arab Academy for Science and Technology, Alex., Egypt.

Graduation project

Title: “Moving Objects Tracking with a Mobile Robot Using Two Uncalibrated Independently Moving Cameras”

Description:

Building a robot system that uses vision in tracking objects, the model uses an “FPGA” board “XSB” and two video cameras, all fixed on a basic Structure of robot. The model detects a target object and then starts tracking it observing its distance and altitude.

Post-Graduation Thesis

Title: “Intrusion Detection Using an Improved Multiclass Support Vector Machine Learning Model”

Description:

Building an AI (Artificial Intelligent) computer model that can detect novel computer intruder attacks based on previously learned knowledge; the model was first fully implemented on a pc, and then was simulated for hardware implementation on “Virtex-7” FPGA “xc7vx980t” as a standalone hardware-based intruder detector.

Competitions

ROBOCON EGYPT 2006 (competition in field of robots)

EXPOs Participations

- **Marlog** (The International Maritime Expo (IME))
- **TransMea** (Smart Transport, Logistics, infrastructure &Traffic Fair & Forum for The MEA Region)
- **CairoICT** (International Telecom, Information Technology & Media Trade Fair and Forum)

Skills

- Embedded systems
 - *FPGA, CPLD, PIC, raspberry pi and Arduino*
- Electronic circuits design and PCB fabrication techniques
- Visualization
 - *AutoCAD, 3D max (modeling and lighting), Photoshop and Illustrator*
- Programming
 - *JAVA, C/C++, Assembly, MATLAB, Oracle and SQL (need little refreshments)*

Practical Training and Experience

- Microsoft Certified Systems Engineer (MCSE) + Internet Security & Acceleration (ISA)
- Cisco Certified Network Associate (CCNA)
- Advanced computer assembly and maintenance
- Network infra-structure design (software & Hardware)
- Kaspersky antivirus server administration
- Simulators and real equipment of different brands
 - L3 - Kelvin Hughes - Sperry - JRC - Wartsila - GE Vernova - Kongsberg - NAVIS - NAUTIS V-Step - ARI
- Virtualization
- NMEA standards (Standards of communication between marine electronics)
- Disaster and recovery plans (Backup/Restore – Failover – Redundancy)

Projects

- Contributed in Installation of train simulators and labs (at WRDAN institute)
- Building the infrastructure for Marine simulators (at ISC /AAST)
- Assembling a Marine simulator for TransMEA EXPO (at ISC /AAST)

Basic Background

- CCNP routing and switching
- WIMAX Basics
- PLC - Realtime systems
- Linux server administration
- Cisco Firewall
- Android programming

Languages

Arabic - English

Memberships

Member of Egyptian syndicate of Engineers

Current job title

Technical Support Engineer at Integrated Simulators Complex (ISC) located in Arab Academy for Science and Technology and maritime transport (Abu Queer) (Since Aug 2007)

Head of technical Support department at Integrated Simulators Complex (ISC) located in Arab Academy for Science and Technology and maritime transport (Abu Queer) (Since Feb 2023)