

Mina Maged Moner

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Education

- Computer Science and information Technology at Egyptian E-Learning Universty (2021-2024)
- STEM High School For boys 6th of october (2017 - 2020)
- ICDL certificate (6th Grade) (10 Jul 2014)
- Intel learn program (2009)

Work Experience

- IT Supervisor of Nasa Space apps Alexandria (2021)
- IT supervisor of STEM 6th high school for boys from (2019 -2020)
 - Restructure the whole network for STEM school.
 - Configure and install access points in school, to provide a stable network connection to all students/staff.
 - Configured Mikrotik server on a router to connect to a wimax antenna (input to school) and provide internet to school (through the firewall).
 - Configured Mikrotik on a server to distribute the internet to all students/staff in the school.
 - Created a new firewall on a separate server
 - Configured a Cisco switch to split the V-Lans for more security.
 - Created a ESXI server, controlled via V-Sphere, connected 5 Disks using RAID, combined 5 Network interfaces for fast and redundant access
 - A Windows server machine as a file server for all school material to be shared with students.
 - An Ubuntu server machine that hosted school website, managed with webmin.
 - A Windows 7 machine to be remotely controlled for troubleshooting network issues in school remotely.
 - Continuous monitoring and support for all network.
- Web Developer at Tedx Youth Maadi STEM(2019)
- Assistant in a mobile repair shop (2016,2020)
 - Install firmware for mobiles phones.
 - Simple phone maintenance (like changing batteries, screens,...)

- Assistant for an Engineer working in installing CCTV cameras (2016)

Experience

- Participated in Egypt cooperation of Egyptian Inventors syndicate 2016
- Remotely controlled AC Switch to control a fan using IR Remote/Arduino/Relay (2015).
- Remotely controlled car using IR Remote and arduino (2015)
- Remotely Controlled car using arduino and bluetooth (2015).
- First android custom rom (some changes in system UI, Launcher)(2015)
- First personal business card on Microsoft Word (3rd Grade) (2010).
- First powerpoint presentation (At KG2) (2006).

Projects

- Website of Tedx youth Maadi stem (2019).
- Wind Turbine prototype to generate electricity (2019).
- Irrigation system using pumps controlled by arduino (with open/close intervals) to conserve water (2018).
- A box to extract Ethanol from some food remains, like rice with a motor that runs for intervals controlled by an Arduino (2018)
- A working T-Type Tower Crane prototype made using foam, (to apply some physics/mechanic principles) (2017)

Competitions

- Participated in intel isef 2020: A robot that scans tomato plants, sends images to a server for processing, and notifies on infected tomatoes. Using raspberry Pi, and python, and nanonets.com
- Participated in Nasa space apps 2018: A fire alarm system that detects fire using sensors and sends push notifications to pushbullet.com.
- Participated in intel isef 2016/2017: Android custom rom auto updates service using OTA Update Center (2016-2017)
- Participated in intel isef 2015.

Extracurricular activities

- Member at school broadcasting group (2nd Grade) (2009-2017).