Ahmed Hamdy
Software Engineer

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GitHub @/shakram02 — Hackster @/shakram02 — LinkedIn @/shakram02 —Behance @/shakram02.

EDUCATION

Bsc. Computer and Communications Engineering `Sep 2013- Jul 2018`
Alexandria University
TOEFL iBT Score: 106 `October,2018`

EXPERIENCE

Researcher `Jun 2017`
IoT & Cyber security Lab, Faculty of Engineering
  Researching controller security in Software Defined Networks.

Software Engineer `October 2015 - August 2016`
TMentors, Internship
  Designed and implemented a software system to control a tel-operated advertisement robot, using C# and WPF technologies.

SKILLS

C, KOTLIN, JAVA, PYTHON, RUST, ANDROID GIT, LINUX, NETWORK PROGRAMMING ARDUINO, ROBOTICS

PUBLICATIONS

Repoxy: Replication Proxy for Trustworthy SDN Controller Operation
Supervisor: *Mohamed Azab*   *Paper*
  The 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications view

PI Floor: Portable Interactive Floor with High Resilience and Minimal Setup for Edutainment
Supervisor: *Shaimaa Lazem*   *Poster*
  The 17th International Conference on Mobile and Ubiquitous Multimedia

PROJECTS

All Projects are hosted on Github @/shakram02.

- N Puzzle [Kotlin] N-Puzzle solver with a friendly GUI. Implements A*, BFS and DFS

- Lwa [Android + NodeJs + Arduino] Smart home lock using OneTimePasswords (OTP)

- Pi Floor [Android / Kotlin] Make education fun by projecting Multiple choice questions on real world.

- Repoxy [Java / SDN] Software Defined Network (SDN) server to allow multiple controllers to manage switches

VOLUNTEERING EXPERIENCE

- Computer Science and Robotics educator for mid/high school students at Protons - Python, Arduino

- Software Committee Member, IEEE AlexSB.

- Volunteer instructor for C and Arduino courses, IEEE—AlexSB

- Microsoft Student Partner 2015 – 2016

- AIESEC member, Incoming global volunteer (IGV) committe; Project organization

- AIESEC Exchange Participant, Children education project in Pontianak, Indonesia