

Ahmed Hamdy

Software Engineer

Mail ahmedhamdyau@gmail.com

Phone +201148424331

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

EDUCATION

Bsc. Computer and Communications Engineering

Alexandria University

TOEFL iBT Score: 106

Sep 2013- Jul 2018

October, 2018

EXPERIENCE

Researcher

IoT & Cyber security Lab in Faculty of Engineering [Unpaid]

Researching controller security in Software Defined Networks.

Jun 2017

Software Engineer

TMentors, Internship

Designed and implemented a software system to control a tel-operated advertisement robot, using C# and WPF technologies.

October 2015 - August 2016

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](#).

- [Repoxy](#) [SDN — Java] Software Defined Network (SDN) server to allow multiple controllers to manage switches
- [Pi Floor](#) [Android, Kotlin] Make education fun by projecting Multiple choice questions on real world.
- [Lwa](#) [Android, NodeJs & Arduino] Smart home lock using OneTimePasswords (OTP)
- [N Puzzle](#) [AI — Kotlin] N-Puzzle solver with a friendly GUI. Implements A*, BFS and DFS

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) committee; Project organization
- AIESEC Exchange Participant, Children education project in Pontianak, Indonesia