Ahmed Hamdy Mahmoud

- *3rd year student Faculty Of Engineering, Alexandria University*
  Computer and Communications Engineering *Expected graduation year 2018*
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A self-motivated software engineer who **asbtraction, modularity and separation of concerns comes to naturally**. Seeking the best available opportunities. I **love open source culture** and **in my free time, I read books** about systems, low level programming and **scanning the internet for waht's new in technology**. Abstracting myself to an "array of characters" in this CV creates a shear amount of information loss. Accordingly, What follows is just a subset of me.

Personal Experience

- **Microsoft Student Partner** 2015 – 2016 hepled in spreading new technologies on campus and providing educational mails
- **IEEE | AlexSB volunteer** Software & Technical Committees, Graphics - 2016 , instructed C and Arduino courses
- **Human Computer Interaction** workshop at *STRA City* we created a prototype for a telepresence robot (Arduino,RPi,WebRTC,MQTT) it was more of a research experience where we applied user centric design principles
- **AIESEC** Worked with interns from other countries for a project to help orphants learn English and Math
- Member at **Made In Alex robotics team** participated in IRC and Minesweepers competitions
- **Programming & Robotics instructor** at *Protons* by IEEE AlexSB for 3 years - Arduino, C# and Python
- **Batch representative** 2015 – 2016 leading and solving problems for the batch inside the campus
- **Blogger** on Hackster.io with an award winning article and thousnads of people reached

Technical Skills

- **Object oriented** design
- **Socket** programming
- I'm currently exploring **machine learning**, it seems very promising for the fact that it involves **mathematics, which I really love**
- `C` , `C++` , `C#` , `Angular2` , `Java` , `Android` , `Python` , `Rust` and I'm surely **ready to learn any language**

Experience

- `C#` **1-year industry experience** working part-time at TMentors Writing software for **Shixy The Robot**
- `Angular2` **Event planning system** for IEEE AlexSB
- `C++` **File server and client** by creating reliable a protocol on top of UDP using **modern C++**
- `Android` simple **UDP networking application** for my blog post
- `Java, Arduino` **Manager for a network of Arduinos** send/receive messages
- `Rust` SIC/XE **Assembler**

Online profiles *GitHub* | *Hackster* | *LinkedIn* | *Facebook*