**Ahmed A Saad**

Grinfel street, Alexandria

+1 917-979-4281

+201023034581

[ahmedsaad17391739@gmail.com](mailto:ahmedsaad17391739@gmail.com)

**Career Profile**

Junior Software engineer in Arab Academy with 3 years of software development experience, Participated in US Embassy Hackathon and was placed 4th among 50 teams, worked on 6 different software programs that went through a full development cycle with a team size of more than 5 members. Utilized API tools in some of developed programs. Solved more than 40 programming problems on *codeforces* to help improve and maintain a specific level of problem solving. Finished different courses during college to learn a variety of programming languages and different skills to help aid the software engineering field.

**Education**

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| **Arab Academy for Science and Technology (AAST)** Alexandria Egypt  Bachelors in Computer engineering, GPA: 3.31 | 2016 - Present |

* Planning to attend software engineering courses in the future
* Currently enrolled in Database, Graphics, Systems programming courses (Fall 2019)
* AAST computer engineering bachelors is certified by ABET
* Finished various projects that involve electronics and/or programming
* Graduating June 2021

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| **Shabab el Fahd** Taif, Makkah Saudi Arabia  High School Diploma  GPA: 3.99 | 2014 - 2016 |

* Received a certification of excellence in the English language.

**Work Experience**

08/2019

**Homes for the Homeless, New York City**

**Assistant Director of Programming, promoted to work as a Supervisor at a summer camp for homeless shelter children**

* Supervisor of Lifeguards including waterfront director and all activity specialists.
* Responsible for creating a daily detailed schedule which consisted of multiple activities and day planning for the staff members to follow , my organizing skills made a drastic change to the schedule and improved morale according to my supervisor. Organized daily activities and evening programs with senior staff.
* Managed the behavioral challenges of a wide variety of children with Autism and Mental Health challenges caused by environment and low socioeconomic status.
* Responsible for creating a schedule for the camp staff to follow, and coordinate with my staff members to add different activities to the schedule.
* Responsible for assisting the camp director in any matter that comes up and was the first person in charge when the camp director is not available.

06/2019-08/2019

**Homes for the Homeless, New York City**

**Unit Leader, worked as a Supervisor at a summer camp for homeless shelter children**

* Supervisor of 14 cabins with 30 counselors and a max of 75 children living at camp every 2 weeks.
* Managed the behavioral challenges of a wide variety of children with Autism and Mental Health challenges caused by environment and low socioeconomic status.
* Maintained a daily detailed schedule which consisted of multiple activities for 3 sessions, 2 weeks at a time. Organized daily activities and evening programs with senior staff.

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| 06/2017 - 08/2017 and 06/2018-08/2018  **Homes for the Homeless**, Central Valley, New York United States  **General Counselor** |  |

* Supervised the safety and well-being of all campers.

* Participated with campers during all activities throughout the day. Ensuring fun and enjoyment.
* Managed children with a wide variety of behavioral challenges.

**Skills**

* Android Studio Mobile Development
* Finished Data structure course during college sophomore.
* 1 year Java experience.
* Currently attending an Android Development boot camp.
* High level Knowledge of Object Oriented Programming Design.
* 2 years C++ experience.
* 1 year C # experience.
* 3 years C experience.
* Arduino Skills.
* Unity software experience
* Programming problem solving skills (CPC).
* Near native skills in English language.
* Experience with kids.
* CPR/First Aid certified (2019)

**Activities**

* + Participated in Hackathon by US Embassy in AAST to help preserve wildlife, developed a mobile application and was placed 4th among 50 teams.
  + Worked as a volunteer for 2 years in Hands Act in the Human Development committee.
  + Participated in different activities in Enactus (NGO).
  + Participated in Global Game Jam Twice as a game developer.
  + Traveled to different countries.

**Projects**

* Android App that helps preserve endangered animal species with an interactive UI and Game.
* Implemented SIC/XE assembler using Java.
* Program that helps the user cheer up by the use of Quotes, Videos, Music and uses Spotify API to help the user in the Music section
* Endless runner game developed solo on Unity.
* 2D game developed during Global Game Jam 2019 with 3 team members.
* 2D game developed during Global Game Jam 2016 with 3 team members.
* Robot that is controlled using a remote control and stops when there is a wall nearby.
* a PCB based circuit project that detects IR signals.
* Traffic lights system controlled using Arduino.
* Software that helps the user pick good PC parts for their build.

**Training**

·     2 weeks Internship in Appenza Web development and Mobile applications company in 5th Settlement Cairo.

**Honors and Awards**

Awarded best HD (Human Development) in Hands Act 2017.

**Achievements**

40+ programming problems solved on Codeforces.