Louay Hesham Saber Mohamed Morsi

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Work Experience

Jul - Sep 2018	*Intern Software Development Engineer at **Amazon Web Services** in **Cape Town*** Was responsible of further improving and adding more features to the project I was working on during my previous internship. Was also responsible of data migration of the data needed to generate those metrics to a separate dedicated database. Used Ruby and Java.
Sep - Nov 2017	*Intern Software Development Engineer at **Amazon Web Services** in **Cape Town*** Was responsible of improving and adding extra features to a service that generates data for analytics metrics using Ruby and several AWS services like RDS, SQS and SNS. Also learned concepts like continuous deployment, program life cycle and software testing.
Jul - Aug 2016	*Intern Software Development Engineer* at **Microsoft ATLC** in **Cairo** Developed the statistics page for *LUIS* (Language Understanding Intelligent Service), one of *Microsoft's cognitive services,* using C#, JavaScript, and HTML. Also developed a telemetry service to track user interaction with the website, using *Angular 2*, *Typescript* and *Jade,* which integrates *Google Analytics* service into the webpage.
Feb 2016	*Software Development Intern* at **Eventum IT Solutions** Trained on database design, modeling, mapping and manipulating of relational databases, MySQL queries, JavaScript, HTML, CSS, and Java using Spring Framework.

Education

2014-2019	*BSc. in Computer and Communication Engineering* **Faculty of Engineering, Alexandria University** GPA: **3.76/4**

Awards and Achievements

2015	9th place in **Alex CPC** (Alexandria Collegiate Programming Contest)
2015	Coached two teams in RoboCup Junior competition, lightweight soccer category. They won first and second position in the Egyptian regionals competition, won **Best Super Team Integration**, **Best Poster**, **Super Team Champions** and **Best Teamwork** in the international competition.
2014	Participated in **ACM ECPC** (Egyptian Collegiate Programming Contest)
2014	1st place on Egypt in **WRO** (World Robotics Olympiad) competition, soccer category. Qualified to the international rounds in Sochi, Russia.
2013	1st place on Egypt in **WRO** competition, soccer category. Made it to the top 16 on the world in the internationals in Jakarta, Indonesia.
2012	2nd place on Egypt in **WRO** competition, soccer category. Qualified to the international rounds in Kuala Lumpur, Malaysia.
2011	3rd place on Egypt in **WRO** competition, soccer category. Qualified to the international rounds in Abu Dhabi, UAE.
2010	Participated in the **EOI** (Egyptian Olympiad in Informatics).

Selected Projects

Alarm+	Personal project, a cross platform mobile alarm app which can set several alarms with one click. Made using Xamarin.
College Schedule Generator	Personal project. A Java program which generates a timetable for the courses that I've registered in college. Uses brute force to generate all possible schedules then filtering them to maximize the number of days off and minimizing the number of gaps.

Skills

Programming Languages	Ruby, Python, C#, Java, C/C++, JavaScript, HTML, Typescript, SystemVerilog (HDL)
Other Skills	Proteus, OOP, MySQL