

Louay Hesham Saber

Place and Date of Birth: Alexandria, Egypt | 4 May 1996

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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 <i>LUIS</i> (Language Understanding Intelligent Service), one of <i>Microsoft's cognitive services</i> , using C#, JavaScript, and HTML. Also developed a telemetry service to track user interaction with the website, using <i>Angular 2</i> , <i>Typescript</i> and <i>Jade</i> , which integrates <i>Google Analytics</i> 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
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Awards and Achievements

2015	9 th 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	1 st place on Egypt in WRO (World Robotics Olympiad) competition, soccer category. Qualified to the international rounds in Sochi, Russia.
2013	1 st place on Egypt in WRO competition, soccer category. Made it to the top 16 on the world in the internationals in Jakarta, Indonesia.
2012	2 nd place on Egypt in WRO competition, soccer category. Qualified to the international rounds in Kuala Lumpur, Malaysia.
2011	3 rd 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