

Louay Hesham Saber Mohamed Morsi

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 for further improving and adding more features to the project I was working on during my previous internship. Was also responsible for 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 for 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	Intern Software Development Engineer 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 Graduated with GPA 3.74/4
Jul 2019	Alexandria Quantum Computing Summer School 2019 Held at Faculty of Science, Alexandria University A one week course that teaches many quantum computing topics and algorithms. For a full list of the topics you can check my website at https://louay-morsi.me/AlexQCSS.pdf

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

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.
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Skills

Programming Languages	Ruby, Python, C#, Java, C/C++, JavaScript, HTML, Typescript, SystemVerilog (HDL)
Other Skills	MySQL, Object Oriented Programming, Basic Electrical Circuit Design, Basic 3D Models Design