HISHAM MAGED

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EDUCATION

Faculty of Engineering, Alexandria University   Alexandria, Egypt
Degree in Computer & Communication Engineering   Sep 2016 - Jun 2021

SKILLS

Proficient: Java SE 8, SQL, HTML, CSS3, RegEX, Maven, Linux Command Line, Intellij, Photoshop
Familliar: Spring Boot, Angular 6, Javascript ES6, JQuery, Oracle 12c, MySQL, UML, ER Diagrams

COURSES

Java Programming and Software Engineering Fundamentals Specialization (Certificate)
A **5-Course Specialization** through **Coursera** that Focuses on Solving Problems, importance of
Efficiency and Software Design Concepts.   Duke University, Feb 2019

Java SE 8 Programming Track   New-Horizons Computer Learning Center
A **6-Course Track**: Java Core Fundamentals, OOP, JavaFX, MySQL, JDBC and JSF   May 2019

Object Oriented Programming in Java (Certificate)   University of California San Diego
A Course That Introduces the Importance of Object-Oriented Design and UML Diagrams and the use
of External Libraries in medium to large Scale Projects.   Jul 2019

Oracle Developer Track   New-Horizons Computer Learning Center
A **2-Course Track** that includes SQL Fundamentals along with PL/SQL using Oracle DBMS Oct 2019

PROJECTS

Data Visualization Map (Preview) *Java SE 8, JavaDocs, OOP Design, S.O.L.I.D Principles, Apache's CSVParser Library, Processing's Graphics Library*
Visualizes and filters live Earthquake data changing appearance dynamically based on magnitude, depth and age, Showing Cities that could be affected, Visualizes Airports and its routes on a Map provided by Microsoft.

Generic Sorting Techniques Library (Preview) *Java SE 8, JavaFX, Collections Framework, Generics, Algorithms*
Compares time taken to Sort Any Type of Dataset that is represented by a Collection of POJO Instances on a Graph of Time with input size for all popular sorting techniques to display the need of Efficient Algorithms.

Random Facts Web App (Preview) *Spring Boot, Maven, Java SE 8, RESTful Services, HTML, CSS, AngularJS, Heroku*
A Simple Web App that displays random facts by consuming a RESTful service into a colorful Dynamic Frontend.

VOLUNTEERING EXPERIENCE

IEEE SSCS   Alexandria, Egypt
Software Developer   December 2018 - March 2019

- Creating IEEE SSCS's main website

CoderDojo   Bibliotica Alexandrina, Alexandria, Egypt
Technical Mentor   May 2018 - November 2018

- Introducing Programming Concepts to kids from age 8 to 14 using Scratch
- Evaluate performance of kids in teams, interactions and final project

Alexandria Model of European Union   Alexandria, Egypt
Photographer   July 2017 - February 2018

- Main Media Coverage of sessions throughout the model
- Maintaining The Model's Social Media Presence.