FARAH **ALY**

MEng, AMBCS

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EXPERIENCE

APR 2022 – PRESENT
FREELANCE TECH INSTRUCTOR, CODE FIRST GIRLS

Instructing courses in Python, Web Development and Data & SQL remotely to 40+ students in French and English. Courses have a duration of 8-week, 2 hours a week.

MAR 2021 – SEP 2021
WEB DESIGN LEAD INSTRUCTOR, GERMAN UNIVERSITY IN CAIRO

- Single-handedly curated a syllabus and led a semester course for 252 academic students to learn about the fundamentals of Web Design.
- Provided applied arts students with new-found technical knowledge of vital information necessary for creating a website such as HTML, CSS and Bootstrap as well as UI/UX principles and version controlling and hosting with GitHub.
- Supervised 4 Bachelor students' thesis projects in Interactive Design, one of who was nominated for Dubai's 2021 Global Grad Show.

FEB 2020 – MAR 2020 · OCT 2020 – NOV 2020
WEB DEVELOPMENT LEAD INSTRUCTOR, CODE FIRST GIRLS

- Led two 8-week courses along with two instructors for 20 students per course to learn about the fundamentals of Web Development over 2-hour weekly sessions.
- Immersed students to implement new-found technical knowledge of HTML, CSS, JavaScript and frameworks, wireframes and version controlling tools.
- Measured performance weekly by administrating practice exercises and code-alongs leading up to a final project.
- Adapted the course to fit a remote teaching setting due to COVID-19 safety regulations while maintain productivity.

SEP 2019 – JULY 2020
JUNIOR SOFTWARE DEVELOPER, COMMERICAL DEVELOPMENT PRACTICE

- Worked with a team of three developer to build a study group web application for Tribal Group, a Hull-based ambitious company who aims to empower through education services.
- Investigated new and emerging software application to design, implement and use information system effectively. The final choice was Visual Studio 2019 for its Blazor components.
- Utilised a variety of different technologies from languages and framework to version controlling tools such as C#, JavaScript, jQuery, HTML, CSS, Bootstrap and TFS.
- Implemented SCRUM and Agile methodologies to optimize the project development process.
- Documented technical workflows and interface with project manager on a monthly basic, providing consistent project reports and milestone updates.

EDUCATION

2015 – 2020

MEng COMPUTER SCIENCE (SOFTWARE ENGINEERING), UNIVERSITY OF HULL

- Bachelor of Science with Integrated Masters of Engineering in Computer Science (Software Engineering), Graduated with Upper Second Class Honours.
- Completed courses such as Networking and Web technologies, System and Analysis Design, Starting and Managing a High-Tech Business, Electronics and Interfacing and Distributed Applications.
- Associate Member of the British Computer Society since 2015.

2000 – 2015

FRENCH BACCALAUREATE, ECOLE FRANCAISE INTERNATIONALE DE RIYAD

- Bac Scientifique: French Baccalaureate, Science Stream.
- Emphasis in Mathematics, Physics & Chemistry, Biology & Geology.
- A-level equivalent grade of AAB.

PROFESSIONAL DEVELOPMENT

2022 – PRESENT

DATA SCIENCE BOOTCAMP, UDEMY ACADEMY

29-hour online course training in Mathematics, Statistics, Python, Data Visualization and Machine and Deep Learning.

2019

INTRODUCTION TO PYTHON, CODE FIRST GIRLS

16-hour online course teaching the basics of Python programming including APIs and various libraries.

SKILLS

PROGRAMMINNG LANGUAGES

C#, C for Arduino Programming, JavaScript, Python, HTML, CSS

TOOLS & PLATFORMS

Visual Studio, VSCode, Atom, PyCharm, WEKA, Git, GitHub, SVN, Microsoft TFS, Vercel, Netlify, Heroku

LIBRARIES & FRAMEWORKS

ASP.NET, MVC Blazor, jQuery, ReactJS, NodeJS, SQL, Bootstrap

DESIGN

Figma, Gimp, Adobe XD, Adobe Illustrator, Adobe Dream Weaver, Sony Vegas Pro

LANGUAGES PROFICIENCIES

FRENCH – NATIVE

ENGLISH – NATIVE

ARABIC – NATIVE

SPANISH – PROFESSIONAL PROFICIENCY