

Hadeel Omar

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EDUCATION

Queen Mary, University of London

London, England

BEng Computer Systems Engineering (1:1 Predicted)

2023 - 2026

Relevant Modules: Object-Oriented Programming (87.7%), Digital Circuit Design (87.5%), Electronic Engineering Mathematics (88.1%), Analogue Electronic Systems (96.2%), Communications and Networks (81.5%)

Technical Skills: Java, Python, Git, Cisco Packet Tracer, Circuit Design and Analysis on NI Multisim Live

London Academy

London, England

A-Levels: Chemistry (A*), Mathematics (A*), Physics (B)

2020-2022

Copthall School

London, England

GCSEs: 11 GCSEs including 8 grades from 9-7, 7s in English and 8 in Mathematics

2015-2020

EXPERIENCE

Headstarter AI

Remote

Software Engineering Fellowship

July 2024 - August 2024

- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAI with 98% accuracy as seen by 1000 users.
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns.
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, SI/CD, Git and microservice patterns.

BNY

London, England

Xperience Technology Intern

July 2024

- Learnt more about the in-house generative AI model Eliza, powered by NVIDIA's DGX SuperPOD and how generative AI works and is being used in the banking industry.
- Shadowed software engineers, full stack developers and FX dealers and traders and learnt more about their roles and the intersection of technology and finance and how technology can advance banking.
- Developed presentation skills and delivered a presentation to a panel of BNY employees on how corporations can attract and retain young talent.

Amazon

Remote

Women of the World Spring Insight Event

April 2024

- Learnt more about the role of software development engineers in multiple subsidiaries of Amazon including Prime Video and AWS, hearing about their roles in a careers panel hosted by women.
- Participated in a coding competition hosted on HackerRank with over 100 other women, using concepts in algorithms and data structures including arrays, hashmaps and more.

Goldman Sachs

London, England

Engineering Spring Intern

April 2024

- Explored the roles of all types of Engineers at Goldman Sachs, including the role of a Quantitative Strategist, Software Engineer, Cyber Security Analyst and Systems Engineer.
- Had a multitude of discussions on industry trends, and challenges and attended a training session on HackerRank, in which complex coding problems were solved.

Schroders

London, England

Spring Intern

April 2023

- Learnt about the asset management industry through an interactive session held at the Schroders office which was hosted by MDA training.
 - Collaborated in teams of 6 and were tasked with creating a low-cost and efficient rollercoaster mechanism to make the most investment revenue
 - Participated in a multitude of interactive talks from some of Schroders' teams such as solutions, technology, ESG, wealth management and more.
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CERTIFICATIONS

AWS

Solutions Architecture Job Simulation by Forage

July 2024

- Designed a simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.

CodeFirstGirls

Introduction to Web Development

July 2024

- Attended weekly sessions teaching the fundamentals of web development, including HTML, CSS, Bootstrap, adding interactivity using Javascript and APIs and UX/UI principles.
- Completed weekly homework on each of the topics and participated in a group project, creating a website based on a chosen topic which was films and TV, entitled "Flicks and Picks".

Goldman Sachs

February 2023

Engineering Virtual Experience Program by Forage

- Explored the role of a governance analyst at Goldman Sachs and cracked passwords using a range of different hashing algorithms; assessed, in relation to the passwords provided, the levels of protection, possible controls that could be implemented, password policy and possible changes in the policy.
- Wrote a demo summarising a range of proposed uplifts to increase the company's level of password protection including extended minimum password length and using a dedicated hashing algorithm.

Codecademy

Learn the Command Line

February 2023

- Learnt how to use Bash commands in the Linux command line to navigate directories and files, manipulate them and learnt to redirect input and output to and from files and programs

PROJECTS

Flicks and Picks

- Created a website as part of a group project for CodeFirstGirls' Intro to Web Development course - created with HTML, CSS, Bootstrap and Javascript.
- Uses the TMDb API to retrieve trending films and OMDb API to retrieve films upon searching. The website allows users to look up films and add them to their favourites.

EXTRACURRICULARS AND SKILLS

upReach

Tech500 Associate

November 2023 - Present

- Selected as a high potential undergraduate to join a professional development programme, specifically in the realm of technology. This has included attending video forums on digital skills, skill workshops and insight days at their partner companies including Wellcome Trust and KPMG.

Languages: English (native), Arabic (conversational to fluent)