

Mahdi Toussi

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EDUCATION

Queen Mary University of London

Bachelor of Science in Computer Science, Overall grade: 81% — First Class Honors

London, England

Sep. 2020 – Jul 2023

St Dominic College

*A-Level Persian, Maths, Biology, Chemistry - A*BBC*

London, England

Sep. 2018 – Jun. 2020

Preston Manor

GCSE 10 grades at 9 - 5, five 9 - 7 including Maths, English and Computer Science

London, England

Sep. 2013 – Jul. 2018

EXPERIENCE

Teaching Assistant

Queen Mary University

Sep 2022 – Jan 2023

London, England

- Led practical lab sessions, guiding students in setting up and configuring complex database management systems, such as relational databases and Oracle databases. Hosted virtual machine environments for students to experiment with different database systems and gain hands-on experience in real-world scenarios.

Full-stack Website Development

KiyanPay (Now Known as Kixy)

Jan 2021 – Oct 2021

London, England

- Contributed significantly to internal market research by conducting comprehensive competitor analysis. Ensured quality assurance for UX designs, ensuring a seamless and user-friendly experience for customers. Designed a compelling business page utilizing Figma, skillfully following the company's UX guidelines. Design shortlisted alongside other engineers' proposals, and was rewarded with a bonus cash prize, acknowledging the quality of my work.

Technology Intern

PricewaterhouseCoopers (PwC)

Jun 2019 – Jul 2019

London, England

- Engaged closely with leading clients, honing exceptional communication and relationship-building skills. Collaborated closely with seasoned developers, gaining firsthand exposure to the complete software development life cycle.

Information Technology

Alayn Social Care Foundation

Jun 2018 – Aug 2018

London, England

- Improved the search algorithm of Alayn's internal storage by 26% by converting the original linear search to binary search. Presented these changes to my supervisor who implemented these changes to her workflow. Organised client data into spreadsheet allowing the team to easily send charity boxes to donors.

PROJECTS

TravelEZ Website | React, API, JavaScript, HTML, CSS

Jan 2022 – Apr 2022

- Dissertation focused on allowing users to create their own holiday packages. Used proxy servers to make API calls and automatically filtered the search results of the different flights & hotels returned using currency conversion algorithms to tailor search results to the users budget. Conducted multiple rounds of user testing to increase usability and improve UX design

Exam System | HTML, CSS, JavaScript

Sep 2021 – Aug 2022

- A year long project with over 3000 lines of code. This exam system was created using object orientated principles in JavaScript. The project aimed to create a website that allowed users to enrol on modules and take exams, and have their exams marked by other users. Selected by the University as the top 5 best projects in the year

COVID Tracking Database | SQL, Visual Paradigm

Sep 2021 – Dec 2021

- Led a group to design a flexible database schema on tracking infectious diseases. This database was designed by first mapping out the plan of the schema using an ER Diagram via Visual Paradigm. Adhering to normalisation standards, we achieved 3NF, allowing the database to be more stable to changes, and allow the adding of data

CORE SKILLS

Programming languages: Python, Java, C#

Frontend and Backend: HTML, CSS(Bootstrap, CSSless), Javascript, React.js, Vue.js, Node.js, Django

Databases: PostgreSQL, Oracle Database, MySQL

Languages: Fluent in: English and Persian | Currently learning: French

CERTIFICATION

JP Morgan Software Development Remote Internship

- Forked repositories from JP Morgan source code and worked with problems presented in the internship. Effectively generated patch files to address software bugs using Python and enable systematic change monitoring within the repository. Skillfully implemented and crafted code to facilitate graph creation and precise monitoring of stock prices.

Bright Network Internship - Technology

- Worked closely with some of the top companies such as Amazon, to get an insight on how modern software engineering techniques such as Agile are used to create and manufacture a product.