

# Mahdi Toussi

London-based Developer

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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

- Helped the lecturer organise and manage classrooms. Duties involved teaching the Database System module by explaining key concepts and filling in any gaps in knowledge as well as marking scripts and giving feedback.

### Full-stack Website Development

*KiyanPay (Now Known as Kixy)*

Jan 2021 – Oct 2021

London, England

- Contributed to internal market research by examining other competitors and making a study on it, in addition I participated in quality assurance of other UX designs. Designed a new layout and a new business page for the company, by using Figma alongside following the company's UX guidelines. Due to the outstanding product that I presented to the cohort of the company, my product was shortlisted with all the other engineers proposals, alongside achieving a bonus cash prize

### 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 lifecycle.

### 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

### Weather Application | React, API, JavaScript, HTML, CSS

Jan 2022 – Apr 2022

- Led a group to create a weather application that was aimed towards cyclists with real-time information on current weather. Took the responsibility of coding all the back-end code and API implementations

### 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 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 technology is used.