Mahdi Toussi

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EDUCATION

Queen Mary University of London — London, England
Bachelor of Science in Computer Science, Overall grade: 81% — First Class Honors — Sep. 2020 – Jul 2023

St Dominic College — London, England
A-Level Persian, Maths, Biology, Chemistry - A*BBC — Sep. 2018 – Jun. 2020

Preston Manor — London, England
GCSE 10 grades at 9 - 5, five 9 - 7 including Maths, English and Computer Science — Sep. 2013 – Jul. 2018

EXPERIENCE

Teaching Assistant — Sep 2022 – Jan 2023
Queen Mary University — *London, England*
- Led practical lab sessions, guiding 140+ students in setting up and configuring complex database management systems, relational databases and Oracle databases. Hosted virtual machine environments for students to experiment with different database systems

Full-stack Website Development — Jan 2021 – Oct 2021
KiyanPay (Now Known as Kixy) — *London, England*
- Contributed significantly to internal market research. Ensured quality assurance for UX designs, by conducting rigorous usability testing. Designed a compelling business page utilizing Figma 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 — Jun 2019 – Jul 2019
PricewaterhouseCoopers (PwC) — *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 — Jun 2018 – Aug 2018
Alayn Social Care Foundation — *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 donators.

PROJECTS

TravelEZ Website | *React, API, JavaScript, HTML, CSS* — Jan 2022 – Apr 2022
- Dissertation allowing customers to create their own holiday packages. Used proxy servers to make API calls and automatically filter the search results of over 100+ flights & hotels queries using currency conversion algorithms to tailor search results to the user's budget. Conducted multiple rounds of user testing to increase usability and improve UX design from 50% to 90% user satisfaction

Exam System | *HTML, CSS, JavaScript* — Sep 2021 – Aug 2022
- Year long project with 3000+ lines of code. Created using object-orientated principles in JavaScript. Project aimed to create a website that allowed users to enroll in modules, take exams, and benefit from peer evaluation for exam marking. 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. Designed by mapping out the plan of the schema using Visual Paradigm. Adhering to normalisation standards, we achieved 3NF, allowing the database to be more stable to changes, and reducing data redundancy by 70%

CORE SKILLS

Programming languages: Python, Java, C#
Frontend and Backend: HTML, CSS(Bootstrap, CSSless), Javascript, React.js, Vue.js, Node.js, Django
Databases: PostgresSQL, Oracle Database, mySQL
Languages: Fluent in: English and Persian | Currently learning: French

CERTIFICATION

JP Morgan Software Development Remote Internship
- Forked 3 repositories from JP Morgan's source code and worked with problems presented in the internship. Effectively generated patch files to address software bugs using Python. Implemented and crafted code to facilitate graph creation and monitoring of stock prices.

Bright Network Internship - Technology
- Worked closely with 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.