

Murad Kamali

SOFTWARE ENGINEER INTERN

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Skills

Programming

Java, Spring Boot, Node.js, C#, Javascript, LaTeX

Front-end

React, Material UI, Next.js, HTML5, CSS, SASS

Back-end

MySQL, SQLite, AWS, Express, MongoDB, Postman, Axios, APIs (Google, Spotify, Yelp Fusion, REST)

Productivity

Git, Jira, GitHub

Education

Brunel University

Uxbridge, London

Computer Science BSc

Sep. 2019 - 2023

- Achieved a 1st Class in my first year receiving As & A*'s in all of my modules
- Relevant Course Details: Data Structures & Algorithms, Object Oriented Programming, Statistical Analysis (SPSS), Network Systems, Usability Engineering, Software Design & Implementation

Experience

Coding Club

Oct. 2019-Present

Uxbridge, London

- Organising coding sessions/meetups with students from Brunel University
- Teaching students full stack web development
- Participating in coding competitions (Leetcode & Hackerrank challenges)
- Learning how to solve and approach different code challenges by applying my knowledge of data structures & algorithms
- Assisting others in regards to coursework, lab sessions, preparing for exams

Waiter

Summer 2019

- Worked in a fast paced environment learning how to adapt to change quickly
- Alternated between different roles under extenuating circumstances (serving, cleaning, bartending, working on the till)
- Developed interpersonal skills from learning how to serve difficult customers
- Refined my verbal & non-verbal communication skills so I can convey my thoughts effectively with other staff members

Technical Projects

Home Fitness

January. 2021 - March. 2021

Java, Spring Boot, MySQL, React, JavaScript, Material UI

🔗 https://github.com/Murad-code/cs2001-2020_21-group37

2nd year group project (team lead), fitness website designed for people working out especially from home

- Applied Material UI with React to build a consistent theme for website design
- Utilised a MySQL server to store website and user data if logged in
- Java backend using Spring Boot to implement APIs including REST

AWS Profile Uploader

October. 2020 - November. 2020

Java, Spring Boot, AWS S3

🔗 <https://github.com/Murad-code/aws-image-upload>

Website utilising Amazon S3 to create/store user profiles

- Add/update user name and image via drag and drop

Sorting Algorithms Visualiser

July. 2020 - August. 2020

JavaScript, Reactjs, HTML/CSS

🔗 <https://github.com/Murad-code/sorting-visualiser>

Web app simulating sorting algorithms to help students visualise how they work

- Implemented Merge Sort, Bubble Sort, Insertion Sort, and Quick Sort

Food-Finder

March. 2020 - July. 2020

JavaScript, MongoDB, Expressjs, React, Nodejs, HTML/CSS

🔗 <https://github.com/Murad-code/food-finder-public>

A full-stack restaurant finder web app which provides data about local restaurants

- Displays information such as: images, location, rating, type of food
- Implemented Yelp Fusion, Google's OAuth, and REST API
- Google account links to MongoDB database to allow users to store favourites to their account

Finch Robot

Nov. 2019 - Feb. 2020

Java, Java Swing

🔗 <https://github.com/Murad-code/Finch-Robot>

1st year university group project integrating multiple features into a Finch Robot

- Team lead of the group and achieved an A grade by including extra features in addition to fulfilling all the requirements and ensuring deadlines are met
- Features implemented: Dance, Draw Shape, Detect Light, Zigzag, Detect Object
- Created conversion algorithms from hexadecimal to other numeral systems
- Built a GUI which displays the processed data in a table format
- Implemented additional features such as storing table data in a CSV file format which can be imported/exported to an Excel file

Projectile Motion Simulator

July. 2019 - September. 2019

C#, SQL

🔗 <https://github.com/Murad-code/Projectile-Motion-Simulator>

Teaching tool for physics students studying projectile motion

- SQL database which stores the formats for the various types of questions in the quiz mode
- Implemented gravity effect by applying the suvat equations of motion
- Extra data can be viewed for the projectile (e.g. distance travelled, current values for vertical & horizontal velocity during the simulation)
- Implemented ability to stop/start simulation; increase/decrease time of simulation; full-screen quiz mode which can vary in difficulty & no. of questions