

Umar Farouk Yusuf

Student

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Education

B.Sc in Software Engineering

University of Glasgow

Sept 2021 - May 2024

Relevant Courses: Java Programming, Algorithm Foundations, Algorithms & Data Structures, Object Oriented Software Engineering, Web App Development, Networks and Operating Systems Essentials, Algorithmics, Data Fundamentals, Interactive Systems, Systems Programming, Professional Software Development, Algorithmics, Data Fundamentals, Interactive Systems, Systems Programming, Professional Software Development, Human Computer Interaction, Entrepreneurship NVC, Intro. Business Reporting and Financial Accounting

Foundation in Engineering

Glasgow International College

Sept 2020 - May 2021

Relevant Courses: Python Programming, Intermediate Mathematics, Engineering, Project Management

Work Experience

Volunteer Childrens' Programming Tutor

BrainBloom NG

Aug 2021 - Aug 2021

- collaborated with staff and management in developing a three-week learning plan and objectives to optimise learning outcomes
- introduced core programming concepts using Scratch 3 whilst adapting methods to each pupil's individual level and needs
- introduced pupils to a project based learning flow

Freelance Web Developer

BrainBloom NG

Sept 2020 - Sept 2020

- setup domain and web hosting on NameCheap
- developed and deployed html, css and javascript site
- Implemented SEO, HTTPS and CDN

Projects

Conscript | construction costs tracking app

- designed style-guide, user-interface and experience in Adobe XD
- developed a mobile targeted web interface in HTML, Sass and jQuery
- modelled user data structure with schemas following OOP principles
- developed REST API to handle CRUD operations on mongoDB database instance
- developed modular expressJS authentication system using the express router with encryption using bcrypt and JWT
- integrated socketio complete with socket authentication to auto-refresh interface on database updates
- setup automatic deployment pipeline to containerise app using Docker and deploy to Heroku on git

Skills

Languages

HTML, CSS, Sass, JavaScript, Java, Python, SQL

Technologies

Node.js, REST APIs, MongoDB, Mongoose, Firebase, Bcrypt, SocketIO, Docker, Github Actions

Frameworks

Express.js, jQuery, Tkinter, Flask