

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 (Design Patterns), Web App Development, Networks and Operating Systems Essentials, 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

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

Frontend Developer

BrainBloom

Sept 2020 - Sept 2020

- developed and deployed static site and mailboxes handling 12.28k monthly requests
- implemented SSL, CDN and SEO ranking 1st on google search
- setup domain and web hosting

Projects

Conscript | construction costs tracking app

- currently handling \$300k+ in real world transactions
- 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 with bcrypt and JWTs
- integrated socketio complete with socket authentication to auto-refresh interface on data update
- setup automatic deployment pipeline to containerise app using Docker and deploy to Heroku on git push using GitHub Actions

Skills

Languages

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

Technologies

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

Frameworks

Express.js, jQuery, Tkinter, Flask, Django