Ahmed Massli

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⊙ https://github.com/ahmedmassli

Profile

During engineering studies, a research project ignited a passion for the tech industry. The allure of flexibility, work-life balance, and creative product development led to a career shift into technology. Post-graduation, a consistent track record of timely project delivery was maintained, while creativity and problem-solving skills were honed through personal programming projects. NorthCoders played a pivotal role in providing the necessary skills for certification within a supportive environment.

Professional Experience

Junior Software Developer, *NorthCoders*   01/2023 – 04/2023
Course Overview   Manchester, England
– Strengthened coding fundamentals in JavaScript and mastered Git for version control
– Enhanced back-end skills using PSQL and Node.js with a focus on asynchronous functions
– Developed websites and applications using HTML and CSS, integrating APIs for back-end connectivity

Back End Project - House of Games
– Designed and developed a PostgreSQL database for game reviews using Node.js for data interactions GitHub repository ⬈

Front End Project - House of Games
– Launched a user-friendly website for game reviews. Designed and styled the front-end using CSS for an appealing UI. Implemented navigation with a router for seamless page transitions. My Front end GitHub repository ⬈ and the website ⬈ .

Final Project - BudgetBuddy
– Collaborated in a team to create a finance-based app for managing finances collectively
– Implemented user authentication using Firebase in a React Native-based app.
– Adjusted schemas and developed various database requests using MongoDB.
– Front end GitHub repository ⬈ and Back end GitHub repository ⬈

Skills

Languages
Bilingual - Fluent in English and Arabic

Front End
React, HTML5, CSS3, React Native

Testing
Jest

Programmes
MS Office (Word, Excel, PowerPoint), ASPEN, GAMS and GPROMS

Back End
Express, SQL, MongoDB, Firebase

Education

MEng (Hons) Chemical Engineering, *Imperial College London*   10/2018 – 06/2022
Upper Second Class (2:1)   London, England

A-levels, *Littleover Sixth Form*   09/2016 – 07/2018
results: Mathematics (A*), Further Mathematics (A), Chemistry (A), Physics (A)   derby, England

Projects

Imperial College London Fourth Year Project,   10/2021 – 01/2022
Real-time optimisation of a simulated CCS plant
- Collaborated effectively with a partner in a semester long project
- Developed a high fidelity Aspen model of the Imperial CCS pilot plant
- Utilised Python to develop a cutting edge Gaussian process based real time optimisation algorithm
- Identified the optimal setpoints for the plant using the RTO algorithm whilst remaining within a safe operating envelope GitHub Repository ↗ .

Personal Project, *Sudoku Game*

– Created a Sudoku game with a Python-based GUI using Tkinter.
– Features customizable difficulty levels, input correctness checking, and an automated solver.
– Utilized recursion and a backtracking algorithm for game logic.
– Enhanced user experience with error handling messages GitHub Repository.