

## Abdifatah Jama

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### Summary

Github: <https://github.com/AF-Jama>

British citizen

Chemical Engineering Graduate (2:1 w/honours) from UK Russell Group University

Pursuing junior Process **and/or** Software Engineering roles

Can begin immediately

### Core Competencies

- |                              |                        |                        |                   |
|------------------------------|------------------------|------------------------|-------------------|
| • Python                     | • ReactJS              | • Chemical Engineering | • Collaboration   |
| • C                          | • Docker               | • HAZOP Analysis       | • Problem Solving |
| • Javascript                 | • Backend Development  | • Water Treatment      | • Versatile       |
| • NodeJS                     | • Basic AWS Deployment | • Project Planning     |                   |
| • Relational Database(MySQL) |                        |                        |                   |

### Experience

#### ***Mathematics Tutor***

**2021**

- Tutored and was responsible for the mathematical development of 4 students every weekend
- All four student received GCSE Grades A\*

### Education

**Queen Mary University of London | BEng Chemical Engineering**

**2019 - 2022**

#### **Results**

Final grade: 2:1(Upper second-class w/honours)

### Projects

#### **Software Engineering Projects**

- Created a Twitter bot that tweets a random facts every 5 minutes using the Twitter API and a random facts API. Script is hosted on Heroku (Lang: Python)
- Produced a script that estimated the value of  $\pi$  with 10,000 random unit points using the monte carlo method. Used the matplotlib library to plot hits and misses to eventually reach a close estimation of the pi and produce a plot that resembles a quarter of a circle. (Lang: Python)
- Blackjack game with a max 5 players and one mandatory card dealer (Lang: C)
- Created discord bot allows users to add YouTube music videos to a queue, to which they can play,skip,pause,resume. Also used discord documentation to handle disconnections from voice channels.(Lang: Node)
- Created command line minesweeper. Used recursion to implement mass digging when a square with no neighboring mines is hit. Used object orientating programming(OOP) to demonstrate a square, mine and a board.(Lang:Python)
- Created a responsive weather app that used the public OpenWeather API to fetch and display worldwide city data such as temperature, wind speeds, humidity. (Lang: HTML,CSS,JS,NodeJS,Express,Bootstrap)
- Created Spotify app based off the spotify API to present users data about their account, app also shows users their favorites songs and currently playing media. App has a search section component allowing users to search about artist by their name which returns information. (Lang: ReactJS,NodeJS,HTML,CSS,Bootsrap)
- Created a password manager that stores user passwords for different websites using encryption. User can press button to toggle between encrypted and decrypted password. Password manager is based on the lastpass password manager which uses user master password as the encryption key. (Lang: Node, ReactJS,MySQL,ExpressJS,HTML,CSS,AWS)

**Personal Interests:** Engineering, Programming, Sports, Podcasts, Gaming, Computer Networking.