Husain Yusuf

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EDUCATION

West Virginia University
BS IN Computer Science
May 2023 | Morgantown, WV
GPA: 3.97 / 4.0

SKILLS

PROGRAMMING
Java . JavaScript . Python
React . Node.JS . Django
Express . PHP . C

LANGUAGES
Fluent
English . Arabic

AWARDS

2023 Summa Cum Laude Honors
2022 Junior Merit Award
2021 Sophomore Merit Award
2019 Golden IB-CAS Award
2019 1st Place | Bahrain Marathon Relay
2018 Math Kumon Graduate

EXPERIENCE

WVU EcoCAR | **Connected and Automated Vehicles Software Developer**
Aug 2022 – Present | Morgantown, WV

- Developed and documented MATLAB scripts that imported the teams' requirements from Excel to Simulink for better organization, flexibility, and allowed for a linkage between the vehicle models and requirements
- Built a K-means clustering algorithm which provides our vehicle with pothole/speedbump detection and verification capabilities.

Ace Insurance Brokers | **Software Development Intern**
May 2021 – Aug 2021 | Seef, Bahrain

- Developed and released a website which created and assigned customer tickets to the company's customer support team, using SQL. PHP, and CSS, in a manner catered to their requests. Yielding faster response time between clients and customer service representatives
- Designed and developed an online claim-request project, where customers can file a claim for their car insurance online, promoting a COVID-conscious business model which lead to a **12%** increase in claims
- Created and published a Python program which parsed CSV files to automate reoccurring tasks

TEDxWVU | **Website and Design Chair**
Feb 2021 – Aug 2022 | Morgantown, WV

- Managed and updated the official TEDxWVU website (https://tedxwvu.com) using HTML and CSS
- Pitched and supported proposals regarding how to gain traction and traffic for the event. Leading to a **13%** increase over last year's applicants

IT Service Desk | **Student Worker**
Nov 2019 – Jan 2022 | Morgantown, WV

- Provided rapid diagnosis, troubleshooting, and resolution of IT issues for students and staff
- Handled **300+** tickets in the first year of work

Math & Computer Science Tutor | **Student Worker**
Aug 2020 – Mar 2022 | Morgantown, WV

- Tutored undergraduate students in calc 2, calc 1, applications of algebra, and introduction to data structures & algorithms
- Teaching assistant for calc 1, applications of algebra, and introduction to computer science

INDEPENDENT PROJECTS

LoL Esports Website

- Developed a League of Legends Esports website using NodeJS and the PandaScore API. Users can watch live games, track professional teams/players performances, and view tournaments brackets.

Weather App | **https://github.com/HusainYusuf/weather-app**

- End-to-end development of a weather app using the Express/NodeJS frameworks and the open source OpenWeatherMap API. Deployed the app using Heroku.

Notes App | **https://github.com/HusainYusuf/school-app**

- Designed and developed a notes and Pomodoro application using the React/Django REST frameworks and using a personally developed notes API. Application was deployed using Amazon S3

Card Matching Game | **https://github.com/HusainYusuf/Card-Game**

- Created a card matching game with a standard 52 deck of card using React.Js and hosted the application using Amazon S3