

ALI ZAINI

azaini101@gmail.com ▪ (504) 402-2235
github.com/azaini101 ▪ azaini.me ▪ linkedin.com/in/azaini101

EXPERIENCE

THE MITRE CORPORATION

Intermediate Software Engineer

McLean, VA

May 2023 – present

- Designed and implemented a database schema and Python handler to parse and uniformly store client data from Excel, enabling data visualization and trend identification; received the **Breakthrough Award** (2023).
- Actively participated in the intern hiring process, conducting phone and technical coding interviews to identify promising candidates.
- Led direct communication with the client, enhancing engagement by presenting weekly updates during sponsor meetings and actively noting and incorporating their feedback.

McLean, VA

Associate Software Engineer

November 2021 – May 2023

- Developed a Python automation tool that expedited report generation from a two-week process to just 5 minutes, significantly enhancing productivity; received the **Trailblazer Award** (2022).
- Collaborated with the data science team, acquiring proficiency in Power BI to create impactful visuals for the sponsor by pairing it with custom Python queries.

CGI INC.

Software Engineer

Lafayette, LA

January 2021 – October 2021

- Optimized the setup procedure for the development environment of CGI's federal financial management system, Momentum, resulting in faster service request error resolution.

OCHSNER HEALTH

Backend Engineer

New Orleans, LA

August 2019 – January 2021

- Automated the scheduling process for system expansions, reducing the time required from **7 hours to 10 minutes**, thereby improving operational efficiency.
- Programmed a unique National Resident Matching Program (NRMP) using Python, facilitating the placement of newly hired analysts within the company.
- Initiated and led meetings with Salesforce teams to propose a partnership aimed at streamlining workflow processes.
- Created a data visualization tool for post-training surveys that cleans, formats, and organizes data from a form with Python and returns a excel report for the team to view, reducing work time **by 99%**.

NOTABLE PROJECTS

[LINK THE PLAYERS](#) | FULL STACK DEVELOPER

Fall 2022

- Created a successful online sports trivia game with over **5,000,000 games** played and **4,000,000 views** on TikTok. The game generates daily revenue via Google AdSense.
- Site data is pulled from sports databases after each transfer season using Python scrapers to keep the games updated.
- Rewrote the algorithm for generating games, reducing monthly function execution time from **1025 GB-hrs to 66 GB-hrs**. This helped avoid a 20x overcharge fee, reduced errors, and improved performance for end-users.
- Designed the original game with extensibility in mind, and subsequently released versions for Formula 1, NBA, MLB, NFL and UFC.

[ISMALH DESIGNS SHOPPING](#) | FULL STACK DEVELOPER

Spring 2020

- Implemented a fully functioning shopping site for a clothing brand with HTML, CSS, and JavaScript.
- On the backend, product information is stored on MongoDB, and variables are saved onto cookies to save items without a login.

SKILLS

Python, Java, JavaScript, Express, NodeJS, React, Flask, HTML/CSS, SQL, MongoDB, Power BI, Palantir Foundry, PowerShell, Puppet, Git/GitHub

EDUCATION

UNIVERSITY OF NEW ORLEANS

Bachelor of Computer Science – Summa Cum Laude

New Orleans, LA

December 2020

- GPA: 3.97/4.00; Dean's List (2018-2020)
- UNO ACERS Scholarship (2019-2020)
- Louisiana TOPS Honors Award (2017-2020)

LANGUAGES: FLUENT IN ENGLISH AND ARABIC

SECRET SECURITY CLEARANCE (DEC 2021)