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Pasiphique Osward

Recent Computer Science graduate with experience in Python and Java, gained through academic projects and personal coding initiatives. Eager to learn and grow in a professional environment, with a passion for tackling real-world challenges and building effective software solutions. Seeking a programming role where I can contribute and enhance my skills as part of a collaborative team.

EDUCATION

Bachelor of Science- Computer Science | University of Pittsburgh | Pittsburgh,PA | Aug 2020 - May 2024

SKILLS

Programming: Java, Python, JavaScript

FrameWorks: React, Flask

Technology: Docker, Git, Github, mysql(postgreSql), MongoDB, mongoose

Other: Node.js, express, html, css

PROJECTS

Pittsburgh Transformations Website

- **Interactive Mapping Platform**: Designed and developed an interactive map for the Pittsburgh Transformation Project website using React, JavaScript, Leaflet.js, and Node.js. The map showcased census data, allowing users to explore Pittsburgh's demographic evolution over a century.
- **1980 Census GeoJSON Development**: Created the first-ever map of the 1980 census tracts for Pittsburgh, converting historical data into GeoJSON format to enable modern web-based mapping and analysis.
- **Enhanced User Interaction**: Implemented advanced map features such as zooming, filtering, and custom markers to enrich user interaction and provide deeper insights into neighborhood diversity and historical migration patterns.

CS-Chat Web Application

- Designed and implemented a responsive user interface using HTML, CSS, and JavaScript for seamless user experience

- Utilized Google Cloud Platform (GCP) services for deployment and scalability, ensuring high availability of the application.
- Containerized the application using Docker for consistent development and production environments, simplifying deployment processes.
- Implemented user authentication and authorization features to ensure data privacy and security.

Best Pittsburgh Neighborhood

- Developed criteria for evaluating neighborhoods, including factors like safety, cost of living, and access to amenities.
- Collaborated with peers to validate results and gather feedback, ensuring a comprehensive approach to the analysis.
- Utilized Python libraries such as Pandas and NumPy for data manipulation and analysis to derive meaningful insights.

Certificates

Frontend Web Development| Chegg inc| March 2024