Brylene Patrick

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Education

Bachelor of Science in Computer Science, Expected Graduation Date: August 2023

SOUTHERN NEW HAMPSHIRE UNIVERSITY - REMOTE

Relevant Coursework: Introduction to Scripting, Found in App Development, Discrete Mathematics, Programming Languages, Software Development Cycle, Data Structures and Algorithms, Software Security, Operating Platforms, System Analysis and Design, Current/Emerging Trends in CS, Software Test Automation and QA, Computer Graphics and Visualization, Client/Server Development, and Mobile Architect and Programming.

Technical Skills

Front-End Development: HTML, CSS, JavaScript, Bootstrap
Back-End Development: Python, Java, C++, Maven, MongoDB, Spring Boot, Ruby on Rails
Graphics: OpenGL
Certifications: Google IT Support Specialization

Projects

Contact Service, Nov 2022 - Dec 2022
GITHUB: JUnit-Test-Project.git
- Developed ContactService, TaskService, and AppointmentService object classes using Java for server-side implementation.
- Designed unique contact ID, first name, last name, phone number, and address criteria to meet server-side requirements.
- Implemented adding, updating, and deleting contacts with verification service through JUnit tests for backend testing.

Animal Shelter Database, Jan 2023 - Feb 2023
GITHUB: Web-Application-Dashboard.git
- Developed an Animal Shelter Dashboard featuring an animal information table, rescue type filter, color distribution chart, and map using MongoDB and Python Dash for data management and front-end development.
- Utilized various Python libraries, such as NumPy, Pandas, Plotly, and Pymongo, to ensure the success of the backend implementation and data visualization.

Inventory Tracking App, Jan 2023 - Feb 2023
GITHUB: Inventory-Tracking-App.git
- Developed an Android app using Java and Android Studio to manage inventory, events, and weight, allowing users to create, update, and delete items, log in, and receive optional SMS notifications.
- Designed a user-centered UI with clear labeling, feedback messages, and intuitive database management features for seamless app experience.

Job Experience

Full Stack Developer Apprentice, Feb 2023 - May 2023
Community Physical Therapy & Associates - Chicago, IL
- Worked with databases to manage the application's data which involved designing database schema, writing queries to retrieve and manipulate data, and optimizing database performance.
- Wrote code in Ruby on Rails to manage the application's data and handle HTTP requests from the front-end. This code was responsible for processing data and returning it to the front-end in a usable format.

Physical Therapist Assistant, Jan 2022 - Feb 2023
Community Physical Therapy & Associates - Chicago, IL
- Leveraged software skills to maintain and update patient records, streamline documentation, and facilitate communication with physicians, nurse, and other healthcare providers using software applications such as NetHealth and Epic.
- Developed analytical and problem-solving skills to assess patient needs, design effective treatment plans, and evaluate outcomes.