DYLAN SKROSKZNIK

CONTACT

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SKILLS

Languages: Python, C++, C, C#, Java, JavaScript, TypeScript, PHP, HTML, CSS, XML, PostgreSQL, MySQL, Bash.

Technologies: ASP.NET, .NET Core, Flask, Django, Bootstrap, React, Next.JS, Express.JS, MongoDB.

Software Tools: Visual Studio, Eclipse, Oracle VirtualBox, VMware, Docker, PgAdmin4, Microsoft SQL Server, Microsoft Azure SQL, Microsoft Office 365, Git, GitHub.

Operating Systems: Windows 10, Windows 11, MacOS, Linux (Ubuntu, Manjaro).

Methodologies: Experience with Agile, Scrum, and DevOps.

EDUCATION

University of South Florida

Bachelor of Science Degree in Computer Science
Aug. 2020 – Dec. 2023
- GPA: 3.1
- Honors: Joe Casper's Memorial Scholarship, Florida Bright Futures, PELL Grant
- Affiliations: ACM, GDSC

Hillsborough Community College

Associates of Arts Degree in Computer Science
Aug. 2017 – May 2020
- GPA: 3.1
- Honors: Florida Bright Futures

PROJECTS

Stock Market Chart Analysis Program
Program Used to Analyze Stock Performance from Chart Data
- Used Visual Studio project features to provide a simplified and flexible form environment for users.
- Applied technical analysis in developing C# algorithms for components to understand and manage and display stock data based on user input.
- Developed API and direct file access integration for allowing individual user file requests plus ability for real-time market insights.

Quiz Study: Quizzing & Studying Web App
Website to Create Personalized Tests for Studying
- Utilized Django Framework to implement features for creating and managing quizzes for users, along with components to enhance the feedback to quizzes from users.
- Harnessed PostgreSQL and database design strategies to efficiently structure, authenticate, and retrieve data.
- Designed an accessible environment with HTML, CSS, and JavaScript.

Optimized Matrix Traversal
Dynamic Programming Backtracking Algorithm Group Project
- Collaborated on designing pseudo-code to ensure correctness and performance.
- Applied appropriate data structures using C++ for an effective backtracking traversal algorithm.
- Coordinated together to organize the group workflow into optimizing the algorithm for the matrix traversal project goals successfully.

EXPERIENCE

Crew Trainer
Dec. 2017 – May. 2024
Casper's Company — Tampa, FL
- Delivered valued customer service by using feedback to improve performance.
- Facilitated fresh staff onboarding through assessment and instruction.
- Resolved challenges through effective communication and collaboration.

Peer Academic Success Tutor
Aug. 2019 – Mar. 2020
Hillsborough Community College — Tampa, FL
- Prepared students to develop effective learning and testing habits for success.
- Clarified challenging topics through interactive examples.
- Scheduled individual appointments and coordinated group sessions to support peers' specific needs.