



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.

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.

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

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.