

# DYLAN SKROSKZNIK

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## CONTACTS

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[github.com/dskroskznik](https://github.com/dskroskznik)

## SKILLS

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**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

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### 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

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### 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

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### Crew Trainer

*Dec. 2017 – June 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.