

Timothy Dance

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TECHNICAL SKILLS

Languages: Python, C#, SQL, T-SQL, Swift, HTML, CSS, R, M

Frameworks: .NET, React, DAX

Tools: SSRS, Dapper, MySQL, Power BI, Tableau

Libraries: Pandas, NumPy, Scikit-learn, Polars, Flask

EXPERIENCE

True North Classical Academy

Jul. 2025 – Present

Miami, FL

Data Analyst

- Developed a React-based athletic profile website to replace a \$5,000 yearly subscription service.
- Built data pipeline endpoints for RenWeb, enabling seamless data access for the entire analytics team.
- Constructed dashboards that provided actionable insights and reduced student detentions by 20%.

IRM — International Reinsurance Managers

Mar. 2024 – May 2025

Miami, FL

Data Analyst

- Created an inventory management system using a T-SQL-based database, integrated into a .NET Blazor web application.
- Developed a Python data pipeline that cleaned monthly client Excel files, transforming them into usable CSVs that were imported into Power BI visualizations, reducing processing time by 80%.
- Solved coworkers' data-related questions by using complex queries to create interactive SSRS reports.
- Helped develop an in-house Blazor accounting system by creating stored procedures used to create new components in the system.

Siembra

Nov. 2024 – Jan. 2025

Miami, FL

Front-End App Developer Intern

- Enhanced the app's user interface by implementing modern SwiftUI components, improving overall design consistency and usability.
- Integrated a full-stack archive feature by creating and optimizing API calls to the backend, ensuring seamless data retrieval and user experience.
- Actively participated in code reviews, sprint planning, and team discussions, ensuring alignment with project goals and deadlines.

Miami Dade College

Aug. 2022 – Jun. 2025

Miami, FL

Data Analyst Tutor

- Tutored over 500 students in SQL, Power BI, Python, and Access.
- Provided technical support to teachers and faculty, resolving issues related to Windows, Apple, and Linux operating systems.
- Collaborated with clubs to lead workshops related to SQL, Python, and GitHub.

Miami Dade College

Aug. 2022 – Jul. 2023

Miami, FL

Data Analyst Intern

- Researched nationwide college enrollment trends for STEM degrees among students aged 18–24.
- Cleaned enrollment datasets using Python to identify key factors influencing student enrollment in STEM programs.
- Led research on enrollment trends used to create Tableau dashboards and predictive models forecasting STEM enrollment trends.

UDT IT Consulting

Sep. 2022 – Feb. 2023

Miami, FL

Data Analyst Intern

- Built and updated KPIs using Power BI, leading to profit gains for client business analytics.
- Met client needs by designing and refining Power BI dashboards.
- Handled monthly data collection using Python scripts to extract vital information from client databases and import it into visualizations.

PROJECTS

Prepbear (ShellHacks 2025) | React, Python, SQL, Microsoft Copilot

- Deployed an interview prep React web app using Google Gemini APIs to simulate real-time mock interviews.
- Worked with Gemini to customize an AI video bot that reacted based on user facial recognition.
- Added a React web component that returned user information for whatever company the user entered.

Financio (ShellHacks 2024) | React, Python, SQL, Microsoft Copilot

- Built a React-based financial planning application to help users set and achieve personal financial goals.
- Trained a financial chatbot using Microsoft Copilot with cleaned JSON data to educate students on core financial concepts.
- Developed a React front end with an interactive quiz component to assess and reinforce users' financial knowledge.

TLDR | Python, JavaScript, Flask, BART AI

- Built a Chrome extension that summarizes articles using a Flask-hosted BART model.
- Extracted text via JavaScript and created a summarization pipeline using the ChatGPT API.

Study Den | Python, Tesseract, ChatGPT, Unity

- Created a learning app that extracts text from images using Tesseract and feeds it to ChatGPT.
- Built educational mini-games in Unity based on extracted questions.
- Used ChatGPT responses to create custom quizzes based on user-provided images.
- Developed a virtual pet using C++ that grew based on user performance.

SweetSweetRecipes | Swift, SwiftUI

- Developed an iOS application in Swift that generates random recipes and dynamically displays results.
- Designed and implemented a clean, intuitive user interface using SwiftUI to enhance usability and user engagement.
- Integrated asynchronous API calls and state management to ensure smooth data loading and responsive interactions.

EDUCATION

Miami Dade College

Jan. 2020 – Jul. 2023

Bachelor's Degree in Data Analytics

Miami, FL

CERTIFICATIONS

Swift – Certified User

Dec. 2024

Business Industry Operations Certification

Jul. 2023

Business Intelligence Professional Certification

Jul. 2022