# Tucker Ward

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## EDUCATION

**Technical Certificate** from **TrueCoders Advanced Technical Training**, Birmingham, AL                   **March 2021**
   *Intensive coding program, learned programming languages and technical skills such as C#, Java, HTML, CSS, JavaScript, Python, source control and test-driven development. Achieved proficiency through building, debugging, and optimizing applications as well as daily challenges, instruction, and labs.*

**BS** in **Mathematics** from **Mississippi College**, Clinton, MS                   **May 2017**
   **Minor:** Business
**Honors: Pi Mu Epsilon** - Mathematics Honor Society

## TECHNICAL PROJECTS

- **Swanson/Kanye API -** This C# .NET Core Application calls separate Kanye West and Ron Swanson RESTful APIs and alternates displaying iconic phrases from both celebrities. This project utilizes the Newtonsoft.Json Nuget package to facilitate translation of the API responses.
- **TacoParser -** Receives information from a CSV file that is used to create objects that inherit properties from an interface. These objects are compared using the GeoCoordinate library. The beginning stages of the project utilized Test Driven Development to develop the application. The project finds the two Taco Bells furthest from each other in Alabama.
- **Product Manager -** C# .NET Core application that manages items in a database allowing the user to create, read, update, and delete records using SQL. Used the MySQL Nuget package to execute custom SQL queries on the backend storage database
- **Exercise in TDD -** Designed tests using C# .NET Core and xUnit to verify various mathematical methods perform as expected. Followed the TDD pattern of red, green, refactor and built tests by means of arrange, act, assert.
- **WPF Weather App -** This C# .Net Core WPF application makes a call to the Open Weather Map API to display weather content. The content is sent as a Json file that is interpreted using C# and the Newtonsoft.Json Framework. Customized further by applying a background color transition on keystroke.

## EXPERIENCE

**Blue Sky Studios**                   **Jackson, MS**
**Audio Engineer/Producer**                   **October 2018 - November 2020**

- Produced, recorded, edited, and mixed 10+ recurring podcasts on a weekly basis
- Scheduled and managed the release of podcasts via Libsyn and Simplecast
- Implemented HTML to maintain appearance of podcast notes and info
- Coordinated with contracted musicians to perform on songs
- Maintained complex file management
- Proficient in using Logic, Digital Audio Workspace

**Lake Forest Ranch**                   **Macon, MS**
**Assistant Program Coordinator**                   **March 2018 - August 2018**

- Supervised approximately 60 staff members by providing logistical, administrative and spiritual support
- Addressed camper behavioral concerns based upon counselor referral
- Coordinated with weekly camp speakers and music leaders to ensure quality programming
- Operated audiovisual equipment by mixing sound, presenting slides, and adjusting lights
- Communicated daily with Director, Assistant Director, and Facility
- Managers in order to maintain a positive camp environment for 150-220 campers
- Managed crisis events by providing leadership and specific direction

**Mississippi College Math Dept.**                   **Clinton, MS**
**College Math Tutor**                   **September 2016 - May 2017**

- Helped students with complex mathematical concepts
- Substitute taught for lower level statistics courses