Michael Thomas

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PROJECTS

Student Database   April 2021
Kean University | Union, NJ
- Built and maintained a SQL database filled with the personal information of over two thousand students.
- Performed operations such as sorting the database by the type of data in the various fields, searching the database to find a specific student's information, and modifying or deleting student records.
- Incorporated a user interface that required a password to unencrypt Students' information for added security.

Calculator Web Application   February 2021
Kean University | Union, NJ
- Developed a responsive, single page web application that provided a simple calculator to perform arithmetic, as well as more complicated mathematical functions.
- User login was implemented so that users could save their history and view past activity after logging off, all of which was encrypted to ensure sensitive data was secured.

Modern Website   November 2020
Kean University | Union, NJ
- Worked as part of a team of 4 students to quickly design and deploy a modern, responsive website that displayed information related to anime.
- Used ASP .NET Core as a basis and employed a Model-View-Controller pattern (MVC) during development.
- Established a Content Management System (Piranha CMS) to collaborate with fellow students during the creation of the website, allowing the team to publish new content more efficiently.

INTERNSHIPS

Kean Web Development Team   February 2021 - Present
Kean University | Union, NJ
- Collaborated with a small team of students and professors to develop a new Covid data analytics web page for the official Kean University website.
- Used Machine learning algorithms to take Covid statistics and visualize the data on to live Arc Gis maps so that users could better understand the correlation between socioeconomic profiles and Covid mortality rates.

EDUCATION

Kean University | Bachelor of Science in Computer Science   Expected May 2022

TECHNICAL SKILLS

Python | C# (ASP .NET) | Java | C++ | JavaScript (Angular JS, jQuery) | HTML | CSS | Git | CMS | SQL