Zachary Sorenson

zacharyjsorenson@gmail.com | Git | LinkedIn

Technical Skills

Python, Django, Flask, C#, .NET Core, .NET MVC, Entity Framework, JavaScript, HTML, CSS, JQuery, MySQL, SQLite, SQL Server, React.js, Express.js, MongoDB, Git, Node.js, Express.js, Bootstrap.

Technical Projects

- **Social Vinyl Club (MERN)**
  - A website for an Orlando band with a React front end and Express backend.
  - Employs a MongoDB database and Mongoose so the front end can access the database through Axios API calls
  - Utilizes JSON web token and bcrypt to allow secure access to an admin account where the band can perform CRUD operations for shows in the database through the front end and edit their about section.
  - Makes use of Reach Router to control what view is being displayed by the app.
  - Implemented an image slideshow on the home page created with React Slider
- **QuoteBase (Python)**
  - A web application for sharing quotes similar to goodreads.com quotes section. built with Django.
  - Utilizes bcrypt to hash and salt passwords for increased security.
  - Implemented JQuery AJAX so that the user may add quotes, edit and delete their own quotes, manage their favorite quotes, and view other user profiles without reloading the page.
  - Takes advantage of Django's built in SQLite database.

- **Sudoku Solver (Python)**
  - A program made in pygame that generates a random sudoku board.
  - Upon pressing the spacebar the program utilizes a backtracking algorithm to solve the sudoku.
  - Utilizes the GUI to visualize each step of the backtracking algorithm.

- **Bird Game(C#)**
  - A demo for an Angry Birds style game.
  - Created utilizing the Unity framework.

Work Experience

- **Safety Technician I**
  Onsite Safety   August 2019 – May 2020

- **Chemical, Biological, Radiological & Nuclear (CBRN) Defense Specialist (Sgt/E-5)**
  United States Marine Corps   August 2015 – August 2019

Education

- **Coding Dojo, Bellevue,WA -** Certificate

  A full stack coding bootcamp where I learned three full stacks including:
  - o   Python/Django
  - o   C#/.NET
  - o   MERN