**Ethan G. Manis**

(720) 438-8971 | [ethan.g.manis@gmail.com](mailto:ethan.g.manis@gmail.com)| [LinkedIn Profile](https://www.linkedin.com/in/ethan-manis-115365228/) | [www.ethanmanis.com](https://ethan3212.github.io/) | [GitHub Profile](https://github.com/ethan3212)

**EDUCATION**

**Texas A&M University Central Texas,** Killeen, TX **DEC 2021**

***Honors:*** *magna cum laude*

[BBA](https://www.parchment.com/u/s/U1Y3): CIS, Concentrating in Software Engineering and Database Design.

**PERSONAL PROJECTS**

**Personal Portfolio Website:** [**GitHub Link**](https://github.com/ethan3212/ethan3212.github.io) **JAN 2022**

***Skills Used*** *– HTML, CSS, Bootstrap*

* I built this website to showcase some of my projects: Self-Balancing BST, E-Commerce Database, and a Sorting Algorithm Analyzer.

**E-Commerce Database:** [**Github Link**](https://github.com/ethan3212/E-Commerce-Database-Final-Project) **AUG 2021**

***Skills Used –*** *SQL, RDBM Proficiency*

* A batch script written to create an E-Commerce database in MySQL.
* Creates: one database, eight tables, four functions, and one view.
* Relatively complex relational database schema, making use of various table relationship types.

**Sorting Algorithm Analyzer:** [**Github Link**](https://github.com/ethan3212/Examination-Analyzation-of-Sorting-Algorithms) **MAY 2021**

***Skills Used******–*** *C#, Algorithms and Analysis Proficiency*

* A terminal application that analyzes and compares seven different sorting algorithms based on their loop-counts and execution times.
* **Sorting algorithms implemented:** bubble, shell, quick, insertion, heap, merge, and radix
* Pulls information from text files and parses them through the sorting routine gauntlet.
* Results are automatically written to an external file which can be used to conduct further analysis.

**Self-Balancing Binary Search Tree:** [**GitHub Link**](https://github.com/ethan3212/Binary-Tree) **DEC 2020**

***Skills Used****– Java, Data Structures Proficiency*

* An application showcasing the binary tree data structure and all its related functions.
* Performs: insertion, deletion, searching, and displaying the tree. Additionally, it allows the user to perform three separate types of traversals: in-order, pre-order, and post-order.

**EMPLOYMENT HISTORY**

**Psychiatric Nursing Assistant *Department of Defense* MAY 2016 - PRESENT**

* Spearheadedthe Prevention and Management of Disruptive Behaviors (PMDB) initiative for the hospital, personally training and certifying all personnel.
* Handselectedto work with a small team of technicians, nurses, and providers to provide emergency care in response to the Covid-19 outbreak.

**U.S. Army Soldier (Behavioral Health Technician) *U.S. Army/DOD* MAR 2012 – MAR 2016**

* Successfully completed the rigorous Army Air Assault course, which has a fifty-five percent attrition rate.
* Awarded an Army Commendation Medal (ARCOM) for selfless actions taken in amidst the Fort Hood shooting on April 2nd 2014.