**Ethan G. Manis**

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

**PERSONAL PROJECTS**

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

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

* 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.

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

***Skills –*** *SQL, Proficiency with Table Normalization, RDBM,*

* 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******–*** *C#, Proficiency with Algorithms*

* 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.

**EMPLOYMENT HISTORY**

**Psychiatric Nursing Assistant *Department of Defense* May 2016 – Present**

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

**Behavioral Health Technician *United States Army/Department of Defense* March 2012 – March 2016**

* **Lead** and mentored a small team of soldiers which was recognized by the unit commander, earning an Army Commendation Medal (ARCOM).
* **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.

**EDUCATION**

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

*Magna cum Laude* **2018 - 2021**

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