**Ethan G. Manis**

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**SUMMARY**

Software engineer with a bachelor’s in CIS and five years of programming experience. Proficient in C#, Python, SQL, and Java; familiar with HTML5, CSS, and JavaScript. Seeking to leverage my leadership experience and expertise to become your next software engineer.

**EDUCATION**

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

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

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

**PERSONAL PROJECTS**

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

***Skills Used*** *– HTML5, CSS, Bootstrap, and JavaScript*

* I utilized a Bootstrap boilerplate, HTML, CSS, JavaScript, and PHP to build a website showcasing three of my projects: an E-Commerce Database, a Sorting Algorithm Analyzer, and a Self-Balancing BST.

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

***Skills Used –*** *SQL, RDBMS Proficiency*

* A Microsoft SQL Server script which generates an E-Commerce database.
* Produces: a single database, eight tables, four functions, and one view.
* This relatively complex relational database makes use of various table and entity relationships, resulting in a fully normalized database.

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

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

* This application compares how effectively different algorithms sort various input classes.
* Effectiveness is determined based on total execution time and loop-counts.
* Results were used to generate charts, proving the Radix Sorting Algorithm to be the most efficient in most circumstances.

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

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

* Visually showcases the Binary Tree data structure and its functions.
* Capable of: inserting, deleting, searching, and displaying the tree.
* Additionally allows for three traversals: in-order, pre-order, and post-order.

**EMPLOYMENT HISTORY**

**Psychiatric Nursing Assistant *Department of Defense* (DOD) May 2016 - Present**

*Responsible for maintaining safety and accountability of patients. Conducting group therapy sessions, covering a variety of subject matters. Displays proficient knowledge and understanding of: mental illness, addiction, and behavioral disorders.*

* Spearheadedthe Prevention and Management of Disruptive Behaviors (PMDB) program, personally training all hospital personnel and bringing them current in this training over the course of three months.
* Handselectedto work with a small team of technicians, nurses, and providers in response to the Covid-19 outbreak, saving hundreds of lives.

**U.S. Army Soldier (Behavioral Health Technician) *U.S. Army/DOD* Mar 2012 - Mar 2016**

*Assisted in the management and treatment of both in and outpatient mental health activities under the supervision of a psychiatrist. Knowledge in psychopathology, psychiatric behavioral intervention, combat operational stress control, and psychological testing.*

* Completed the rigorous Army Air Assault Course, consequently placing me in a position to mentor and lead soldiers ahead of my peers.
* Awarded an Army Commendation Medal (ARCOM) for selfless actions taken amid the Fort Hood April 2nd 2014 shooting.