

Hted Oo

301-351-5479 | htedoo25@gmail.com | 5705 Wainwright Ave, Rockville, MD 20851

Education

University of Maryland - College Park | Bachelor of Science, Computer Science, - (Expected Graduation: May 2026)

- Coursework: Calculus II, Java Object-Oriented Programming I, Linear Algebra, Java Object-Oriented Programming II, Introduction to Discrete Structures, Introduction to Computer Systems, Applied Probability and Statistics I, Algorithms, Web Application Development with JavaScript, Organization of Programming Languages
 - Cumulative GPA: (3.752)

Technical Skills

Java, C, JavaScript, HTML, CSS, Matlab, R, Node.js, Object-Oriented Programming, Data Structures, Microsoft Office 365 (Word, Excel, Powerpoint), BIOS, Windows 10/11, Assembly (x86-64), Unix/Linux commands, Git

Job Experience

CMSC335 Teaching Assistant, University of Maryland, College Park, MD (Aug 2024 - Present)

- Held office hours to assist students with project questions and deepening understanding of course materials relating to web development.
- Assisted in grading students' webpage projects built with HTML, CSS, JavaScript, and Node.js, manually testing them to ensure accurate evaluation.

Relevant School Projects

Team Node.js/MongoDB Application Development (CMSC335)

- Applied knowledge of Node.js and express to implement server-side functionality.
- Collaborated creating front-end development using HTML, JavaScript and CSS to create a responsive design.

Personal Website/Portfolio (PERSONAL)

- Developed a personal website using HTML, CSS, and JavaScript becoming more proficient in front-end web development.
- Ensured cross-browser compatibility and mobile responsiveness.

Binary Search Tree (CMSC132)

- Further improved data structure concepts: nodes, trees, searching, insertion, deletion, and traversal.
- Efficiently used recursive methods to carry out key data structure concepts.
- Understand the proficiency and situational advantages and disadvantages of using a tree.

HashTable (CMSC132)

- Learned the concept of HashSets by replicating the process using ArrayLists and Linked Lists.
- Gained familiarity with hashing algorithms and Java generics to ensure type-safe and effective storing.

Assembly Coding and Debugging (CMSC216)

- Applied knowledge of low-level programming and converted a previous C project in x86-64 assembly.
- Used the GDB to debug puzzle-like assembly problems. Monitored the different general purpose registers.

Graphs and Mazes (CMSC132)

- Manipulated different data structures to create a graph performing different traversals and Dijkstra's algorithm.
- Encapsulated object functionality within classes such as WeightedGraph, Maze, MazeGraph, and Juncture.
- Constructed a graph by creating vertices for each juncture and adding edges between adjacent junctures.

Awards and Academic Honor

Dean's List at the University of Maryland (2022-Present)