

Kevin Nguyen

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EDUCATION

Georgia State University

Bachelor of Science in Computer Science

Expected May 2025

Atlanta, GA

Overall GPA: 4.00 / 4.00 | **Major GPA:** 4.00 / 4.00

Relevant Classwork: Data Structures & Algorithms, System-Level Programming

Honors and Distinctions:

- **President's List (4 of 4 semesters):** Awarded to students who achieve a 4.0 GPA in a given semester.

PROJECT EXPERIENCE

Max Queue

Sept 2022 – Present

- Wrote a data structure that maintains the maximum element in a queue efficiently.
- Used my skills in Java programming, specifically working with ArrayDeque collections.
- Showed my proficiency in problem-solving and data structure design.

Merge Sort Algorithm

Sept 2022 – Present

- Sorted an array of integers in ascending order that adhered to $O(n)$ time and $O(1)$ space bounds.
- Displayed proficiency in algorithm implementation and problem-solving skills using Java programming language.
- Showed knowledge of sorting algorithms and its applications in various fields such as data analytics, data science, and software engineering.

Binary Search Algorithm

Sept 2022 – Present

- Demonstrates the implementation of a binary search algorithm to find the unique elements in two given arrays.
- Showcases the ability to write efficient algorithms for solving complex problems in Java.
- Displays proficiency in using arrays, loops, and conditional statements.

Linked List

Sept 2022 – Present

- Allowed for adding nodes to the end of the list, deleting nodes from the end of the list, and printing the contents of the list.
- Displayed my ability to implement data structures and algorithms in Java.
- Demonstrated my proficiency in object-oriented programming concepts.

MinStack

Sept 2022 – Present

- Demonstrated the implementation of a stack data structure with a feature to keep track of the minimum value in constant time.
- Displayed the candidate's proficiency in implementing data structures and algorithms.
- Showcases their ability to think creatively and solve problems efficiently using programming concepts.

TECHNICAL SKILLS

Languages: Experienced in Java. Familiar with C/C++.

Other Frameworks & Technologies: Linux