

EDUCATION

Bachelor of Science Degree in Computer Science, GPA: 3.0 — Graduation: Dec 2025

University of Central Florida – Orlando, FL

SKILLS

Java Programming

- Developed of programs such as virtual machines, abstract data structures, and ciphers
- Experience in overloading methods, object inheritance, and generic method and classes
- Knowledge of a dozen common algorithms such as backtracking and Prim's Algorithm
- Understanding of systems architecture such as caching, paging, CPU scheduling, and virtual memory
- Familiarity with Git, Visual Studio, Netbeans, Android Studio, JetBrains, and MySQL

C Programming

- Experience in Data Algorithms, Sorting Methods, and Dynamic Memory Allocation
- Developed Multiple small projects showcasing my understanding of Data Structures like AVL and Binary Trees, Heaps, Stacks, and Queues.
- Ability to analyze data structures and algorithms in terms of time and space complexity

PROJECTS

Student Management System - Utilizing Java

- Probabilistic dynamic data structure that improves upon linked lists' limitations.
- Compatible with any Comparable object by use of generics and overloading of the compare method.
- Methods included for insertion, deletion, and search in logarithmic runtime.

MIPS Processor - Utilizing C

- Interprets and executes code written in the Assembly language.
- Top-down parsing catches and generates syntax errors.
- Creates Assembly code that is passed to a virtual stack machine to be executed.

Mood Reads Mobile Application (In progress)

- Developing a mobile application that utilizes Natural Language Processor's to match audio with tone in books.
- Create wireframes and prototypes, focusing on user interface (UI) and user experience (UX) design.
- Enhanced NLP text analysis to assist in guaranteeing a captivating and efficient experience for future consumers/investors.

EXPERIENCE

Piesanos Stone Fired Pizza | Orlando, FL Jan 2022 – Present

Back of House Shift Lead

- Demonstrated pristine problem-solving skills to ensure great customer service
- Onboarded new employees, ensuring extensive training and knowledge to allow employee to be prepared for any situation.
- Ensured department was fully stocked and organized, keeping rotation of shifts a smooth transition.

Scatterday & Associates Intern | Remote August 2024 – Present

- Demonstrated capabilities in JavaScript and its D3 Library to create dynamic visualizations from a dataset.
- Proficiency in MySQL Workbench to organize and maintain a database.
- Ability to follow product guidelines to deliver an exceptional product to clients for Marketing and Scientific usages.