

# Rodrick V. Lankford

📍 Balch Springs, TX

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## Education:

Carleton College, B.A. Computer Science

Northfield, MN | Sep 2019 – June 2023

**Courses:** Intro To Computer Science, Calculus 1 and 2, Computational Media, Computer Systems, Data Structures, Math of CS, Digital Humanities, Software Design, Programming Languages, Algorithms, Computer Graphics, Artificial Intelligence, Computation and Complexity, Linear Algebra, Data Visualization.

**Personal Website:** <https://personal-website-e03c0.web.app>

## Relevant Experience

SayKid - Externship

Remote | Dec 2021 - Jan 2022

- Worked with a team to successfully test and develop several interactive games using natural language processing and JavaScript.
- Used APIs to create search queries that allow SayKid's toy robots to give appropriate responses.

Best Robotics in Texas - Group Manager

Texas | Nov 2018 – Jan 2019

- Successfully led the coding group who worked on developing the code for a rover-type robot who was designed to throw and pick up tokens and tennis balls to score points..
- Presented our robot to a panel of judges using detailed design schematics and an overview of our code..

Vex Robotics in Texas - Team Manager

Texas | Oct 2018– Dec 2018

- Helped build and design a robot from scratch made out of wooden planks, copper wires, and vex tools. This robot was designed with the intention of simulating a tool that marine engineers could use to gather waste in the ocean.
- Ran several tests ensuring that the robot's code ran efficiently, and as team manager I helped coordinate communication between the coding and engineering groups.

SayKid - Internship

Remote | June 2022 - Sep 2022

- Worked with a partner to successfully create a game using VoiceFlow and JavaScript for SayKid's interactive toy robot.
- Additionally, I helped develop SayKid's website using DynamoDB, Elementor, AWS, CSS, HTML, PHP, and WordPress.

## Work Experience

Print Services - Student Assistant

Northfield, Minnesota | Sep 2019 - June 2023

- Handled service requests regarding printing and formatting, documents, posters, and other similar materials.
- Communicated with staff in order to fulfill all tasks and jobs.

Krogers Employee - Courtesy Clerk

Balch Springs, Texas | July 2019 - Sep 2019

- At Krogers, I greeted customers, bagged groceries, restocked shelves, and worked to fulfill customers' needs.

Amazon Employee - Package Handler

Wilmer, Texas | July 2020 - Sep 2020

- My job was to scan packages and transport large shipments throughout the site.

## Projects

Amazon-Clone (**Link to Site:** <https://clone-311b0.web.app>) | [ Javascript, React, Github, Firebase, HTML]

Feb 2022– Ongoing

- A website that's identical in functionality in appearance to Amazon's website in 2022.
- Currently supports login capabilities using Firebase auth, and checkout functionality that implements react reducer.

Olympics Data Website | [Java, Javascript, Github, Html, Python]

Oct 2021– Dec 2021

- Takes Olympic data from Kaggle and creates APIs for specific search queries.
- Applies search filters and obtains data using SQL queries allowing for the implementation of end-to-end functionalities.

Pictionary Website Game | [Socket.io, JavaScript, HTML, Github ]

Sep 2022-March 2023

- This was a full-stack online game which required the application of OOP and heavy usage of version control.

Trivia Quiz | [Python, Github]

Nov– Dec 2020

- Uses a grammar engine to randomly select questions with their assigned answers.

Text Reader and Pathfinder | [Python]

May– June 2020

- Connects words in text files with nodes and edges that can be retrieved through the terminal in order to get the targeted paths to specific words.

## Activities

DevX - Member

Sep 2020 - 2021

- Worked with other students on developing skills in application development and data structures.

Black Student Alliance (BSA) - Member

Sep 2019 - 2023

- A community that cultivates a sense of togetherness within the African American student body on campus.

Men of Color (MOC) - Member

Sep 2019 - 2022

- A group of intellectual men of different ethnic backgrounds that pursue successful careers and lifelong relationships.

**Skills:** JavaScript, HTML, CSS, Python, Java, Socket.io, C#, C++, Git, ReactJS, OOP, Agile Methodology, AWS, Firebase,

VoiceFlow, Elementor, WordPress.