# Rodrick V. Lankford

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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

**Technical Experience**

SayKid - Game Development Extern                                    Remote| *Nov 2021 - Dec 2021*
- Worked with a team to test and develop several interactive games using natural language processing and JavaScript.
- Used APIs to create queries allowing SayKid's toy robots to respond appropriately to a user's voice inputs.

Best Robotics in Texas - Group Manager                                    Texas | *Nov 2018 – Jan 2019*
- Led the programming group who worked on developing the code for a rover-type robot designed. We also presented our robot to a panel of judges using detailed design schematics and an overview of our code.
- We scored in the top 5% despite this being our first time participating in the event.

Vex Robotics in Texas - Team Manager                                    Texas | *Oct 2018– Dec 2018*
- Built and designed a robot from scratch made out of wooden planks, copper wires, and vex tools with intent to simulate a tool that marine engineers could use to gather waste in the ocean. Ran several tests to improve code performance and coordinated communication between the coding and engineering groups as the team manager.
- We placed 7th out of 30 and were recognized for our ability to produce a unique solution to our design constraints.

SayKid - Software Development Intern                                    Remote| *June 2022 - Sep 2022*
- Worked with a partner to successfully create a game module using JavaScript for SayKid's interactive toy robot.
- Additionally, I helped develop their website using DynamoDB for database functionality.
- Required to learn new frameworks and libraries such as DynamoDB, AWS, CSS, HTML, PHP, and WordPress to develop a fully functioning and dynamic full-stack web page.

**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.
- Required to be detail oriented and communicate with staff to fulfill all tasks and jobs.

Amazon Employee - Package Handler                                    Wilmer, Texas| *July 2020 -Sep 2020*
- Scanned packages and transported large shipments throughout the site, meeting all quota requirements every shift.

**Projects**

Amazon-Clone (**Link to Site:** https://clone-311b0.web.app) | [ Javascript, React, Github, Firebase, HTML]          *Feb 2022– Ongoing*
- A website that is identical in functionality and 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*
- Parses Olympic data from Kaggle using APIs and Python3 into usable formatting for search queries.
- Applies search filters and obtains data using MySQL, allowing for the implementation of end-to-end functionalities.

Pictionary Website Game| [Socket.io, JavaScript, HTML, CSS, Github]                                    *Sep 2022-March 2023*
- Developed a full-stack website alongside a team of four that required us to learn new libraries and tools, such as Socket.io, and use agile methodologies to maximize the quality of our product.
- This website received incredible feedback from the audience we presented it to.

Trivia Quiz| [Python, Github]                                    *Nov– Dec 2020*
- Uses a grammar engine to randomly select questions and pair them with their assigned answers.

Text Reader and Pathfinder | [Python]                                    *May– June 2020*
- Connects words in text files with nodes and edges that can allow retrieval of targeted paths through the terminal.

**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 community 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 excellence and lifelong relationships.

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