

Carlos Gutierrez

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Education

Michigan State University

East Lansing, Michigan

Computer Science Major (Aug 2022 - May 2026)

Cumulative GPA: 3.5

- One of few students to be accepted into the Academic Scholars Program heading into the 2022 fall semester
- Met requirements to be accepted into the College of Engineering after first year
- Honors College member as of 2023 fall semester

Web Developer Bootcamp

Udemy.com

- Completed over 500 of the 700 lectures
- Created a plethora of small projects

Projects

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- **Language Learning Website** - Currently working on a React based website that puts a unique twist on typical language learning methods through the use of music. Implemented a Node backend for routing and Postgres database.
 - **NBA Tracker Website** - Developed a React website to provide NBA related data pulled from APIs. Made use of Axios for route handling and NodeJs to run the site. The website is tied together and styled with Bootstrap.
 - **Python Image Encoder** - Created a program for encoding and decoding images using base to base conversion functions to embed and extract hidden messages within images' binary code
 - **Python Book Library Search** - Made a program for book searching which makes use of CSV files in order to retrieve books for the user based on criteria obtained from the user. Such criteria include genre, rating, page count, and keywords from book description
 - **JavaScript Movie Database Search** - Created a search tool for movies and shows using an API to pull search results from a database. Makes use of vanilla JavaScript, HTML, and CSS to give the website a user friendly interface.

Skills & Technologies

Languages	Frameworks / Libraries	Other Technologies
- JavaScript	- React	- Axios
- C++	- Bootstrap	- Git
- Python	- Express	- Node.Js
- HTML	- Mongoose	- MongoDB
- CSS		- EJS