

# Carlos Gutierrez

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## Education

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### Michigan State University

East Lansing, Michigan

Computer Science Major (Aug 2022 - April 2026)

Cumulative GPA: 3.46

- One of few students to be accepted into the Academic Scholars Program heading into the 2022 fall semester
- Meet 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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- **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.

## Hard Skills

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### Languages

- JavaScript: Advanced
- HTML: Advanced
- CSS: Advanced
- C++: Proficient
- Python: Proficient

### Frameworks / Libraries

- React: Proficient
- Bootstrap: Proficient
- Express: Proficient
- Mongoose: Familiar

### Other Technologies

- Axios: Proficient
- Git: Proficient
- Node.js: Familiar
- MongoDB: Familiar
- EJS: Familiar