

## Anthony J. Barrera

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GitHub: [AnthonyBarrera116](https://github.com/AnthonyBarrera116) - <https://github.com/AnthonyBarrera116>

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Age: 22



## Education

### Loyola University of Maryland

B.S Computer Science

Minor: Statistic

Baltimore, MD

September 2023 - May 2023

September 2023 - May 2023

New Jersey Institute of Technology

M.S Computer Science

Newark, NJ

September 2023 - Present

## Professional Experience

### USA Hockey

*Hockey Referee*

- 6 years' experience obtaining Level 3 certification (ages 5 to 18)
- Communicate professionally with players, coaches, and parents
- Ensuring all USA Hockey rules are implemented

Various Rinks in NJ

July 2016 – September 2022

### Loyola University Maryland

*Information Technology Support Specialist*

- Analyze, troubleshoot, and evaluate technology issues for 5,000 students and 3,500 staff
- Provide support and assistance to keep campus technology optimized and running efficiently
- Streamline repair processes and update procedures for hardware and software
- Configured hardware, devices, and software to set up workstations for students and faculty.

Baltimore, MD

September 2019 – May 2023

### New Jersey Institute of Technology

*User Services Support Specialist*

- Analyze, troubleshoot, and evaluate technology issues for students and faculty on Campus
- Provide support and assistance to keep campus technology optimized and running efficiently
- Configured hardware, devices, and software to set up workstations for students and faculty.

Newark, NJ

October 2023 – December 2023

## Skills

- **Programming Languages (Advanced):** C, C++, JavaScript, Python
- **Programming Languages (Intermediate):** SQL, Java
- **Programming Languages (Basic):** Ruby, Solidity
- **Related Technology:**
  - **App:** React Native
  - **Website:** HTML, React.js
  - **Web 3:** Solidity, Hardhat, React.js
  - **Database:** Oracle, Mongo DB

## Projects

### Software Engineering Project - <https://github.com/AnthonyBarrera116/SEP-GROUP>

#### Mobile App – Recreational Football

- Mobile App for recreational football
- *Make Teams, Coaches, Players, Games*
- Tech stack: MongoDB, React Native, JavaScript

Loyola University Maryland  
September 2022 – December 2022

### Senior Project

#### FI320 Calculator Website - <https://github.com/AnthonyBarrera116/Senior-Project>

- *Calculator for Finance (Time Value of Money, Bonds, Stocks, Capital Budgeting)*
- *User, History, Calculations*
- Tech stack: MongoDB, HTML, JavaScript

Loyola University Maryland  
January 2023 – May 2023

### Crypto Token Project - <https://github.com/AnthonyBarrera116/Coin>

#### Making ERC-20 Token and Faucet - <https://anthonybarrera116.github.io/Coin/>

- *Website – Faucet to drip an ERC-20 token*
- *Deploying contract on Sepolia Testnet*
- Tech stack: Node.js, React.js, Solidity, Hardhat, JavaScript

Loyola University Maryland  
January 2023 – May 2023

### Zoo Database - <https://github.com/AnthonyBarrera116/DATA-Manage>

#### Making of a zoo database of SQL, Front-End, Back-End and HTML Pages

- *Website for signing into database*
- *Several functions like adding new employee, animal and more*
- Tech stack: HTML, Python, XAMPP

New Jersey Institute of Technology  
September 2023 – December 2023

## Courses

- *CS 496: Senior Project*
- *CS 482: Software Engineering*
- *CS 484: Machine Learning*
- *CS 489.01: Intro to Quantum Computing*
- *CS 489.02: Cryptos and Blockchain*
- *CS 403: Discovering Info in Data*
- *CS 479: Intro Microprocess-Based Systems*
- *CS 630: Operating Systems Design*
- *CS 656: Internet and Higher Layer Protocols*
- *CS 631: Data Management Systems Design*
- *DS 669: Reinforcement Learning*
- *CS 670: Artificial Intelligence*
- *CS 610 Data Structures and Algorithms*

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