Anthony J. Barrera
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Age: 22

Education

Loyola University of Maryland	Baltimore, MD
B.S Computer Science	September 2023 - May 2023
Minor: Statistic	September 2023 - May 2023

New Jersey Institute of Technology	Newark, NJ
M.S Computer Science	September 2023 - Present

Professional Experience

USA Hockey — Various Rinks in NJ
Hockey Referee — July 2016 – September 2022
- 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

Loyola University Maryland — Baltimore, MD
Information Technology Support Specialist — September 2019 – May 2023
- 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.

New Jersey Institute of Technology — Newark, NJ
User Services Support Specialist — October 2023 – December 2023
- 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.

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

  - **AI:** Pytorch, TensorFlow, Torch, Keras, Gym, Gymnasium, Sklearn

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

AI-Stock Project - https://github.com/AnthonyBarrera116/AI-Stock

Making of Model to predict future stock
- *Two Scaler programs Standard and Min Max*
- *Four different Ideas of predicting future stock*
  - *Open Close*
  - *Open Close Sklearn*
  - *Open Up Down Close*
  - *Open High Low Close*

New Jersey Institute of Technology
January 2024 – May 2024

Courses

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