

# LORENZO M. MERCADO

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## EDUCATION

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### RENSSELAER POLYTECHNIC INSTITUTE, School of Science

Troy, NY

**Bachelor of Science, Computer Science**, Concentration in Artificial Intelligence

May 2025

*Scholarships: Rensselaer Access Grant, Rensselaer Leadership Award, Rensselaer Grant*

*Honors: 5 semesters of Dean's Honor list or Dean's list*

Relevant Coursework: AI and Blockchain, Data Structures, Information Retrieval, Operating Systems, Ethics of AI

GPA: 3.5

## PROJECTS

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### BLOCKCHAIN BAZAAR

Troy, NY

#### AI Integrated Blockchain Pricing Model

Aug 2023 – Dec 2023

- Led a group of 3 in the integration of 2 contextual bandit models to a central server which connects to a testnet of the Ethereum blockchain to dynamically price items with proof of ownership provided by built-in NFT handling
- Presented weekly to my peers and Professor, fielding questions, and defending the group's choices made throughout the week, allowing for iterative development while gaining important feedback on the project plan
- Maintained a GitHub repository with extensive documentation, creating sequence diagrams and explanations of key design choices within a central README resulting in an extendable and well organized project repo

### STUDIOUS

Troy, NY

#### Note Taking / Calendar Web App

May 2023 – Aug 2023

- Pitched the idea of a student-oriented notetaking/calendar web app to garner interest from my peers, formed a preliminary vision statement, leading to a team which focused on including a broad range of strengths
- Created detailed documentation and planning, worked through targeted user stories and system diagrams resulting in a precise and flexible project schedule allowing for the delivery of continuous value to stakeholders
- Directed a small SCRUM team of 5 people to create a web app using AGILE methodologies in a 1-week sprint schedule, managing team relations in a hybrid setting to create 11 weekly deliverables and 2 release demos

## EXPERIENCE

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### WALMART

Fiskdale, MA

#### Sales Associate

Jun 2022 – Aug 2022

- Coordinated with a group to unload and sort freight from trucks before splitting into smaller teams, moving items to their place in the store while helping customers find and transport items
- Managed several service desks while out in the store, assisting customers in a wide range of departments including technical help at the photo and electronics centers

## SKILLS/ACTIVITIES

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**Technical:** Google Suite (Proficient), MS Office Suite (Proficient), R Studio (Basic)

**Programming:** C, C++, Java, Python (Advanced), QBASIC, Salsa, Daphne, MIPS, LISP, Django, HTML, XML, Haskell, OZ, ProLog, Solidity (Proficient)

**Languages:** English (Native), Spanish (Basic)

President, Tantasqua Regional Recycling Club, Fiskdale, 2017-2021

Runner/Jav Thrower, Varsity Track and Field, Fiskdale, 2017 – 2021

**Interests:** AI Language Generation Research, Reading Fiction Novels, Video Games, Long-Distance Running