Antonio Martinez III

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EDUCATION

- **Rensselaer Polytechnic Institute** — Troy, New York
  Bachelor of Science in Computer Science, Minor in Artificial Intelligence — *Aug. 2020 – May. 2024*

EXPERIENCE

- **Rensselaer Center for Open Source** — Troy, New York
  Developer - PollBuddy — *Aug. 2022 – Present*
  - **PollBuddy**: A interactive tool to give users polls and questions to answer online. Built using the following technologies.
  - **MongoDB**: NoSQL database used to store poll details such as owner, time frame, password, and more. Also stores group data such as members and their respective roles, name, id, and more.
  - **ExpressJS**: Backend framework supporting our frontend. Numerous REST API functions that are called frequently from the UI.
  - **ReactJS**: Frontend framework. Built out UI in a multi-page format, displaying profile and poll information
  - **NodeJS**: Provides the environment for Javascript to be ran on the backend, powering the entire project.

- **Rocket Mortgage** — Detroit, Michigan
  Software Engineer Intern — *May 2022 - Aug. 2022*
  - **Task Performance Dashboard**: WebApp that incorporates the following technologies to display user metrics.
  - **Amazon Web Services**: Working with and integrating Lambda's to preform crucial tasks and a Redshift data warehouse to store and query data.
  - **Angular + RxJS**: Building a user friendly web application to display data in a meaningful way, using RxJS to preform tasks both synchronously and asynchronously.
  - **ASP.NET CORE 6**: The backbone(s) of applications, the Backend-for-Frontend (BFF) and the API. Making multiple different Http calls to multiple different services and transforming it into a model that the UI will then display.
  - **CI/CD**: Building a pipeline that allows CI/CI through CircleCI, with tests and check and approval steps throughout different environments.
  - **Terraform**: Setting up Infrastructure As Code (IAC) for the given project, with specific AWS account details, permissions, and services.

PROJECTS

- **PollBuddy.App - Poll Password Feature**: Added the feature to have a user's poll be locked behind a password. This allows a creator to create polls before hand, in preparation, and only open them/share the password when the correct time comes.
- **Task Performance Dashboard**: WebApp allowing team leaders to view their teams metrics; Such as accuracy and productivity over a given time period
- **VALORANT Fantasy Application**: Similar to 'Fantasy Football', a website where user's can to go pick their favorite players and earn points to compete against their friends.
- **Discord VALORANT Utility Bot**: A NodeJS discord bot that allows users to check their rank, friends rank, view their shop, save accounts, and other various tools.

PROGRAMMING SKILLS

- **Languages**: C/C++/C#, JavaScript, TypeScript, Python, Java, SQL

- **Technologies**: AWS, AngularJS, .NET CORE 6.0, git, NodeJS, Firebase

RELEVANT COURSES

- **Data Structures**
- **Computer Organization**
- **Foundations of Computer Science**
- **Intro to Algorithms**
- **Principles of Software**
- **Operating Systems**
- **Database Systems**
- **Rensselaer Center for Open Source**