Kevin Mitre

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Education

CUNY Bronx Community College   **January 2024 –December 2025 (Expected)**
A.S. in Computer Science   *Bronx,New York*
- Courses: Data Structures and Algorithms

Work Experience

NYC DSS/Department of Finance   **Aug 2025 – Present**
Software Engineer Intern   *New York, NY*
- Modernized the UI in **Project BARNS** by restructuring HTML layouts and implementing **Bootstrap** components, contributed to faster deployment of second phase **two weeks ahead of schedule**.
- Developed and optimized interactive UI buttons, reducing redundant code and enhancing maintainability across teams.
- Managed and validated databases using **SQL Server Management Studio (SSMS)**, ensuring data accuracy, removing duplicate entries, and verifying stored procedure integration with departmental `.rdl` reporting workflows.
- Applied **C#**, **ASP.NET MVC**, and **Blazor** to implement and test features in local server deployments, streamlining code reviews and team collaboration.
- Presented technical updates to management via Microsoft Teams, highlighting improved user experience, reduced code complexity, and easier long-term maintenance.

Projects

Stock Price CLI Tool | *Website* | *Source Code*   **Visual Studio Code | REST APIs| PostgreSQL**
- Built a command-line application in **C++** and **Python** that retrieves live market data from Yahoo Finance APIs, enabling users to instantly query stock tickers and track real-time prices.

Smart Contract Lottery | *Source Code*   **NextJS | TypeScript | Spring Boot**
- Developed and deployed a fully decentralized lottery smart contract on the Ethereum blockchain, enabling users to securely enter, win, and claim prizes.
- Integrated **Chainlink VRF** (Verifiable Random Function) to ensure a provably fair and tamper-proof winner selection process, enhancing user trust and transparency.
- Implemented **Chainlink Automation** to create a fully autonomous system that automatically draws winners, distributes prizes, and initiates new lottery rounds without manual intervention.
- Engineered the contract logic to enforce participation thresholds, manage prize pools, and maintain a verifiable history of lottery outcomes and winners.

Leadership

MadHackers Club | *Website* | **Sep 2024 – Present**
- Recruited and guided new members at campus events, increasing club participation and engagement.
- Mentored peers in **Python programming** and coding assignments, helping them develop problem-solving and algorithmic thinking skills.

Technical Skills

Languages: Python, C++, C#, SQL, HTML, CSS,
Developer Tools:Visual Studio 2019, VS Code, SSMS
Libraries/Frameworks: ASP.NET, Bootstrap, Blazor, Entity Framework Core(EF Core)