Neo Maralit

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EDUCATION

New Jersey Institute of Technology   **September 2022 to December 2024**
Bachelor of Computer Science   *Newark, New Jersey*

EXPERIENCE

Fullstack Developer   **September 2023 to December 2023**
FitConnect
- Developed a health and exercise tracking web application with *React, Django*, and *MySQL*, incorporating *CI/CD* for streamlined development and deployment.
- Implemented automated testing to enhance code quality and reliability, reducing bugs and improving performance.
- Led the deployment of a *Linux* web server, optimizing server configuration for robust, scalable, and secure hosting.

Vanna/Charm Hedging Model   **June 2023 to September 2023**
Individual Project
- Created a hedging strategy model utilizing Vanna and Charm Greeks to manage delta and gamma risk.
- Conducted extensive research to derive and implement mathematical formulas representing the hedging strategy.
- Utilized *Python* for mathematical computations (*Scikit-learn, Matplotlib, Pandas*), strategy back-testing, and results visualization.

Fullstack Developer   **January 2022 to August 2022**
Portfolio Website (Contracted)
- Developed a highly customizable portfolio website using *React* and React component technologies to showcase the artwork of the site owner.
- Integrated *Firebase Realtime Database* and *Firebase Storage* to enable real-time updates and seamless storage and retrieval of high-resolution images and metadata.
- Worked closely with the site owner to incorporate numerous rounds of feedback, fine-tuning design elements, layout, and functionalities to meet specific requirements.

SKILLS

- **Programming Languages:**
  - Python
  - C++
  - R
  - SQL
  - Java
  - VBA
  - MATLAB
  - React
  - JavaScript
  - Django