Luigi Razon

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Education

Stony Brook University   **Stony Brook, NY**
B.S. in Computer Science   Expected Graduation: May 2024

Relevant Coursework: Data Structures, Applied Linear Algebra, Programming Abstractions, Survey of Probability and Statistics, Analysis of Algorithms, Finite Mathematical Structures, Computational Geometry, Principles of Database Systems, Introduction to Data Science

Projects

Forex Data Querying Tool   **Python, Polygon.io, CSV**
ProjectPie & SBU Investment Club

- Collaborated with ProjectPie and the Stony Brook University Investment Club to develop a tool for querying foreign exchange (Forex) data from the Polygon API.
- Designed and implemented a Python script to efficiently extract real-time and historical Forex data, addressing the specific analytical needs of the project.
- Engineered a robust data processing module to format and store large datasets into CSV files, facilitating easy data manipulation and analysis for investment strategies and analyses

Stack Overflow Clone   **HTML/CSS, Node.js, React, Express, MongoDB**

- Engineered a full-stack web application mimicking Stack Overflow's core functionality, with a focus on data-driven user experience and interactive UI.
- Employed Node.js and Express to handle 100% of server-side routing and API calls.
- Integrated MongoDB for efficient data storage and query processing, enabling scalable and rapid data access.

Lease Form Software   **Java, Swing, PDFBox**
Tip Top Realty Management Corp.   Glendale, NY

- Developed a Java application that auto-fills lease forms based on renter data, streamlining complex data input/output processes.
- Utilized Apache PDFBox for dynamic PDF content manipulation and crafted a GUI using Swing.
- Revamped workflow procedures by automating form population and data management, resulting in over 80% time-saving across three distinct real estate form types.

Leadership

Lambda Phi Epsilon International Fraternity Inc.   **Stony Brook, NY**
President   Aug 2023 – Present

- Acted as the primary liaison between the fraternity and university administrators, enhancing the fraternity's reputation and standing on campus through effective communication and negotiation skills.
- Partnered with the Treasurer to apply statistical modeling techniques for optimizing fundraising strategies, using historical data to differentiate good and bad features.
- Spearheaded the compilation of a chapter-wide test bank that aggregated course material from over 30 subjects, utilizing data analytics to assess and improve the academic performance of fraternity members.

Vice President/Secretary/Treasurer   Aug 2022 – May 2023

- Collaborated with executive board members to set and monitor key performance indicators for the fraternity, ensuring alignment with the University's 5-star ranking standards.
- Conducted monthly financial audits to identify discrepancies and ensure the accuracy of the treasury, enhancing the fraternity's financial accountability and transparency.
- Oversaw minute-taking in weekly meetings and used quantitative metrics to evaluate meeting efficiency, contributing to data-driven organizational improvements.

Skills

Programming Languages: Java | Python | HTML/CSS | JavaScript | C/C++ | SQL | R | MATLAB
Frameworks/Tools: React | Node.js | Polygon.io | Git | Github | Express | MongoDB | Swing
Soft Skills: Public Speaking | Initiative | Interpersonal Skills | Discipline | Time Management | Attention to Detail