Leonardo Chao

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EDUCATION

New York University, College of Arts and Science   Graduated January 2024
Bachelor of Arts in Computer Science and Data Science

- Relevant Coursework: Data Structures, Computer Systems Organization, Basic Algorithms, Operating Systems, Calculus II, Discrete Mathematics, Linear Algebra, Probability & Statistics, Artificial Intelligence, Theory of Computation, Machine Learning, Data Management and Analysis.

WORK EXPERIENCE

Red Date Technology   **Hong Kong, China**
Intern   June 2023 – Aug 2023

- Led a team of four developers in re-engineering a website primarily focused on compatibility across devices and website navigation optimization, thereby improving overall site accessibility.
- Collaborated and coordinated across departments to align website capabilities with objectives specific to other divisions.
- Integrated back-end APIs that enhanced data collection and user engagement to simulate cryptographic transactions.
- Showcased website efficacy and impact on overall user engagement to shareholders to demonstrate growth capacity.

MIT Innovation Institute   **Hong Kong, China**
Intern   June 2019 – Aug 2019

- Researched and compiled data on consumption behaviors of Gen-Z in Hong Kong, China, and the United States to inform cross-departmental brand awareness marketing strategies.
- Conducted interviews to investigate humanistic narratives and understandings on consumerism patterns among Gen-Z.
- Presented research outcomes to HSBC's Head of Telecom, Media, and Technology and to Richard Lester, Associate Provost and MIT professor.
- Redesigned the Innovation Node's website for user experience and interface optimization.

PROJECTS

Projects can be found on GitHub at http://leonardochao.com/

NBA Lineup Tracker

- Engineered a program that utilizes data analysis techniques to systematically identify every possible five-man lineup for a given NBA team within specified game samples. It showcases +/- and minute distributions with capacities to analyze comprehensive lineup sets or customized subsets based on specific player configurations.
- Leveraged data aggregation to code a workflow that incorporates statistics from BeautifulSoup.com to organize lineups based on the five players on the court with pertinent data.
- Identified and analyzed which lineup combinations are more successful on the floor.

NBA Standard Deviation Calculator

- Constructed a program that finds the standard deviation of all counting stats of an NBA player in a given season.
- Utilized data from basketballreference.com to extract game log tables and calculate averages, standard deviations.
- Analyzed which players are more consistent on a nightly basis and differentiation between long-term success of players.

BlackJack A

- Developed a program that simulates a casino environment to allow the user to play the game Blackjack.
- Formulated functionalities that include: deck and card objects to play (with utilization of ASCII art), storage of username and passwords via a .txt file and I/O skills.

SKILLS & INTERESTS

Languages: Natively bilingual in English and Chinese.
Computer Languages: Fluent in Java, Python, JavaScript, HTML, and C; Proficient in Photoshop and Wordpress website construction.