Samuel Edwards

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EDUCATION

University of California, Berkeley *08/2020 - 05/2024*
Bachelor of Arts in Data Science

Programming Languages: Python, SQL, R, Excel, Java, HTML/CSS, JavaScript (React.js), Stata

Relevant Coursework: Data Mining and Analytics, Causal Inferences and Decisions, Principles and Techniques of Data Science, Probability and Mathematical Statistics in Data Science, Advanced Business Analytics, Data Engineering

EXPERIENCE

Student Library Work Leader | University of California, Berkeley | Berkeley, CA *06/2022 - Present*
- Managed circulation of over 40 million books using a library management system and communicating with universities across the country.
- Demonstrated customer facing professionalism, assisting an average of 50 patrons daily, addressing inquiries and streamlining library operations.
- Led staff organization, implementing task delegation strategies for increased workflow efficiency and improved customer service.

Full Stack Web Developer | Visdomur Private Equity and Dalness Investment | New York, NY *10/2023 – 03/2024*
- Developed dynamic websites with HTML/CSS and JavaScript, enhancing market appeal for recently acquired businesses.
- Implemented marketing and customer relationship management integrations with JavaScript to track user behavior and traffic analytics to gain insights into page interactions.
- Optimized website traffic and accessibility, leveraging Google Lighthouse to achieve a performance score of 84 for an exceptional user experience.

Simulations Data Scientist | Space Technologies and Rocketry (STAR) | Berkeley, CA *09/2023 – 12/2023*
- Initiated the collection and analysis of data from rocket navigational systems, employing Python for processing and visualization.
- Identified and capitalized on key data trends, leading to strategic adjustments of rocketry systems, and achieving a 30% increase in flight altitude.
- Pioneered the implementation of advanced data validation software for GPS and altimeter data, resulting in a 10% improvement in the efficiency of deployable air brakes and increased accuracy of altitude calculations.

PROJECTS

Berkeley Course Insights Website *(Node.js, PostgreSQL, Postman, HTML)*
- Completed a full stack developed website enabling college students to share first-hand experiences and rate courses, fostering a collaborative academic community.
- Implemented React.js and Tailwind CSS for a responsive, interactive user interface and improved user experience.
- Utilized PostgreSQL for efficient database management and leveraged Postman for REST API testing and validation.

Stock Valuation Prediction Model *(Python)*
- Utilized Google Finance API to access historical market data for all publicly traded companies.
- Engineered a LSTM predictive machine learning model that achieved a 57% accuracy rate in forecasting stock prices.
- Developed a web scraper to collect relevant news data and enhanced forecast accuracy by 10% through the integration of news data for the detection of significant mergers and acquisitions.

Digital Asset Analysis *(R, Excel, MS PowerPoint)*
- Discovered important user characteristics to predict product conversion rate with 70% accuracy by using R to transform data and perform Logistic Regression.
- Visualized analysis using Excel to effectively illustrate key trends, patterns, and insights derived from the data, enabling a comprehensive understanding of user behavior and factors influencing the product conversion rate.
- Created slide deck in MS PowerPoint to communicate results and provide actionable recommendations to increase conversion rates and revenue.

SKILLS & INTERESTS

Technical Skills: Data Mining and Analysis, Data Engineering/Data Base Management, Statistical Modeling, Machine Learning, Data Visualization, Program Development, Full Stack Development, REST API, MacOS, Windows, Linux

Soft Skills: Communication, Problem-solving, Critical Thinking, Project Management, Leadership, Collaboration, Decision Making

Interests: Biking, Football, Video Games, Music Festivals, R&B, Philosophy, Greek Mythology, Sudoku, YouTube