

Samuel Edwards

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EDUCATION

University of California, Berkeley

08/2020 - 05/2024

Bachelor of Arts in Data Science concentrated in Economics

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

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

Full Stack Web Developer | Visdomur Private Equity and Dalness Investment | New York, NY

10/2023 – Present

- 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.

Business Analyst Intern | New Terrain Biotechnology Co. Ltd | Berkeley, CA

06/2023 – 08/2023

- Extracted pertinent data from the market database to generate target lists, devising an effective contact strategy for the business development team.
- Served as a liaison between business and science units, implementing project management software to increase and scale operations.
- Developed infrastructure for a CRM tool to track current and potential client interactions, ensuring a streamlined and organized business to business outreach.

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.

Customer Sales Segmentation Analysis (Python, SQL, Excel)

- Performed pre-processing, data cleansing, and labelling on transaction and consumer demographic data sets.
- Visualized the correlation of quarterly revenue fluctuations and seasonality in purchasing behavior in Excel from 2017 – 2023.
- Clustered and identified distinct consumer groups from transaction data to differentiate customer segments.

SKILLS & INTERESTS

Technical Skills: Data Mining and Analysis, 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