Kevin Jordan

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Data analyst currently applying machine learning and analytical research to assist with in game decisions and player development. I have a background in mathematical economics and am looking to leverage technical skills along with leadership, experience, and critical thinking skills to advance business performance and assist in decision making

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TECHNICAL EXPERIENCE

Baseball Operations Analyst – *University of California, Berkeley* **February 2019 - Present**

- Create analytical scouting reports using Synergy, a data and video software, to assist in-game decision making
- Conduct ad-hoc analytical research projects using Trackman and computing packages to help player development
- Create dynamic visualizations to help high level student-athletes understand and implement analytical findings.

TECHNICAL EDUCATION

UC Berkeley Extension – Data Analytics & Visualization Boot Camp **August 2018**

- 24-week fast-paced, intensive graduate level program focused on providing a foundation of practical, analytical and technical skills to solve complex real-world problems and prepare students for a career in data analytics
- **SKILLS: Python, SQL, R, HTML/CSS, Bootstrap, JavaScript, Beautiful Soup, JSON, APIs, GitHub, Heroku, PostgreSQL, MongoDB, D3, Tableau, MS Office, Machine Learning, Regression Analysis, Statistical modeling.**

PROJECTS

Bullpenning | Python, Pandas, API's, Tableau | GitHub | Live |

Analyzing a new trend in baseball to determine its impact on the game

- Worked independently to quantitatively analyze a leading-edge trend in baseball using data gathered from Statcast API, and bullpenning's influence on performance based statistics and team value.
- Used Python, Pandas, and PyBaseball using Statcast API to collect data, used Tableau to create a dashboard to create a written report with dynamic visualizations that are easy to understand

Machine Learning MVP Predictions | sklearn, GradientBoostingClassifier, Pandas, Numpy, Matplotlib | GitHub

Predicting the NL and AL MVP award for each league using machine learning

- Worked independently to create a predictive model using gradient boosting classifiers for this season's Most Valuable Player award. Model generated probabilities for the testing data, and accurate predictions
- Used Python, Pandas to structure the data properly, used 20 previous seasons to train the model, which generated perfect predictions. The model generated accurate predictions for the testing data

Clockwork Application | Python, matplotlib, JSON, SQL, JavaScript, Bootstrap, D3 | GitHub |

Application analyzing recruitment projects to help make business decisions

- Analyzed and gathered data from various recruiting projects through Clockwork's 30,000+ entry SQL database using ad-hoc database queries to gather usable data for project analysis
- Used Python, Pandas, matplotlib, JSON, and the Clockwork SQL database to collect and analyze project data; HTML/CSS and Bootstrap to create templates, used D3 to make dynamic visualizations; Github/Heroku to deploy.

MLB Salaries | Scipy, LinRegress, Pandas, Numpy, Matplotlib | GitHub |

Analyzing various performance and off-field metrics and their influence on player salaries

- Worked in a group of three to analyze how MLB salaries are allocated based on various on and off field metrics, and the impact of high-paid individuals on their team's performance.
- Used Python, Pandas to clean data, used Scipy to create a multi-variable linear regression model to show performance impact on salary, used matplotlib to visualize.

EXPERIENCE & EDUCATION

Mathematics Tutor – *Compass Education Group* **September 2017 - Present**

- Specialize in high-stakes college admission tests, high level mathematics subject tests and academic courses from algebra to multivariable calculus.
- Provide customized one-on-one in-home instructional programs structured around learning style, ability, and testing performance while independently managing my own schedule.

Pitzer College - Bachelor of Arts in Mathematical Economics (Combined Major) **May 2017**

- Highly motivated student-athlete with exceptional time management and communication skills
- Applied advanced mathematical concepts to quantify various relationships in economic theory.