

# Kevin Jordan

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*Data analyst with an interest in applying machine learning to sports predictions and a background in mathematical economics looking to leverage technical skills along with leadership, experience, and critical thinking skills to conduct analytical research using various computer programming languages to assist business decision making*

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## TECHNICAL SKILLS

Python, SQL, R, HTML/CSS, Bootstrap, JavaScript, Beautiful Soup, JSON, APIs, GitHub, Heroku, TensorFlow, PostgreSQL, MongoDB, D3, Tableau, MS Office, Machine Learning, Regression Analysis, Statistical modeling.

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## 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.
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## 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 analytical research projects using Trackman Data and computing languages to help player development
- Create visualizations and use video to help players understand and implement analytical findings.

**Mathematics Tutor** – Compass Education Group

**September 2017 - Present**

- Specialize in high-stakes college admission tests, high level subject tests and academic courses from pre-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.
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## 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

**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.