



John P. Langenderfer

Data Scientist

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Education

Boston College - Morrissey College of Arts & Sciences

Chestnut Hill, MA (Fall 2019 - Spring 2023)

- Bachelor of Science: Major - Computer Science; Minor - Finance (2.7/4.0)
- Relevant Coursework: Calculus I & II, Multivariable Calculus, Linear Algebra, Computer Science I (Python), Computer Science II (Java), Computer Organization (Verilog), Computer Systems (C), Logic and Computation, Randomness and Computation, Formal Verification, Physics I, Physics II (Calculus-based)

Experience

Product Marketing Intern // Spavia International

Denver, CO (Summer 2020)

- Collaborated with cross-functional teams of engineering, design, insights, and marketing to build features and systems that directly impacted the fastest growing franchise corporation in the United States.
- Completed a company-wide marketing analysis that was distributed to C-Suite executives and used by all 58 franchisees.
- Successfully aided delivery of a strategic website product that compared analytics across industry competitors.
- Performed trend analysis on distributed survey data to derive directional insights for senior executives.
- Co-founded franchise concept, Sway, by building the core brand, driving design strategy and collecting market insights.

Head Soccer Coach // Coerver Colorado

Denver, CO (Summer 2016- Summer 2019)

- Managed dedicated groups of various ages as a leading instructor of the world's number one soccer skills camp.
- Acquired competent teamwork skills and invaluable communication, teaching, and interpersonal skills.
- Earned four promotions within the company as a direct reflection of continued hard work and discipline.
- Dedicated 40+ hours per week every summer to contribute towards the personal and technical growth of young athletes.

Leadership

Founder // Kickstars.org (formerly Young Athletes for Charity)

Denver, CO (Summer 2015 - Present)

- Created a non-profit organization focused on guaranteeing every student that opportunity to play a sport.
- Filed and obtained 501(c)(3) organization status prior to fundraising nearly \$20,000 to advance our mission.
- Coordinated deals with two soccer clubs in order to directly impact and benefit children and teenagers in my community.

Projects

Founder, Lead Developer // Predicting the NBA

Boston, MA (Fall 2019 - Spring 2020)

- Utilized a large dataset of team statistics to develop a predictive python model that determined which spread to take with a >63% accuracy rate for over 250 games with over 50 users.
- Introduced web scraping and regression analysis alongside API integration from Twitter to periodically run the program and post to Twitter.

Founder, Lead Developer // Financial News Quantitative Analysis

Boston, MA (Spring 2021)

- Extracted data from multiple API endpoints for use in news analysis program which returns whether to buy a given stock.
- Used Natural Language Processing and linear regressions alongside the python model to determine the outcome.

Honors & Awards

- Regis Jesuit High School Magna Cum Laude Academic Award (2015-2019)
- All-State Academic Team (4 Years) and All-Conference First Team (2 Years)

Toolkit

Programming & Software

Python, Javascript, Java, C, HTML, CSS, React, SQL, Xcode, Jupyter Lab, Beautiful Soup, TensorFlow, Tableau, GitHub, Gitlab,

Activities & Interests

Entrepreneurship, Music, Photography, Volunteering/Community Service, Reading, Traveling, Cooking, Guitar, Piano, Soccer, Skiing, Golf