Jack Galvin

Truckee, CA ◆ jgalvin@berkeley.edu ◆ 408.483.0068

Website: jvgalvin.github.io ◆ Github: jvgalvin ◆ LinkedIn: jvgalvin

I am a data scientist with a Master's in Information and Data Science. I have completed coursework in hypothesis testing, experimental design, statistics, data engineering, machine learning, natural language processing, and deployment of machine learning models. I am passionate about applying data science and machine learning techniques within asset management.

EXPERIENCE

Brigade Capital Management, LP, *Data Scientist Intern,* Truckee   **June 2023 - Present**
- Developed and implemented an algorithm that finds, scores, and suggests accretive trades across the firm's CLO portfolio, which the portfolio manager has used to execute revenue-generating trades for the firm
- Created linear programs to optimize trade allocation, construct new CLO portfolios from scratch, and rebalance weights of credits within an existing CLO portfolio to help the portfolio manager make better investment decisions
- Built and validated a custom composite metric that quantifies the fundamental quality of a loan, which a portfolio manager uses to evaluate potential investments

Bowman and Brooke, *Data Scientist,* Truckee   **May 2021 - Present**
- Develop deep learning models to predict fees for clients, which has saved the firm over $1M
- Analyze data from vehicles involved in catastrophic and fatal accidents and summarize findings for attorneys, which enables them to more effectively prepare for depositions, trials, and court hearings
- Teach product management best practices and concepts that underlie computer vision models in autonomous vehicles to attorneys

Sisense, *Account Executive,* New York   **March 2020 - April 2021**
- Identified how hundreds of prospective Sisense customers could monetize analytics product offerings among their own customers, driving an additional 15-20% in revenue for each on average
- Built machine learning models (support vector machine and random forest) that used features about open sales opportunities to predict if each would close, which informed how time was allocated to working on the pipeline
- Created an account scoring tool using Python that identified thousands of potential customers from LinkedIn and prioritized each based on several factors, which saved 2+ months of manual work for the team

Realeyes, *Director of Customer Success,* New York   **March 2019 - March 2020**
- Analyzed human attention and emotion data to deliver data-driven and actionable insights aligned to clients' business goals
- Managed relationships with strategic clients by identifying and implementing ways to embed Realeyes data into client workflows and secured renewal business (amidst competitor) of Realeyes' largest client with 40% increase in revenue
- Led virtual and on-site product demonstrations, which included sharing insights about technical aspects of the product and how to interpret and use Realeyes data to positively impact marketing ROI to non-technical audiences

PricewaterhouseCoopers Financial Advisory Services, *Senior Associate,* Chicago   **August 2015 - March 2019**
- Distilled the business implications of data and software solution architecture design into language comprehensible to executive and VP-level clients of various (non)technical backgrounds to inform strategic decisions
- Presented data-driven recommendations about process redesign and system modernization to Fortune 500 executives, as well as the methodology by which each recommendation was formed, to impact $5M+ organizational decisions
- Analyzed project finances, forecasted budget overrun, and implemented measures to maximize profit margin, which saved our team $200,000+ in time and expense fees

EDUCATION AND CERTIFICATIONS

UC Berkeley, Berkeley, CA
- Master of Information and Data Science (4.00/4.00)   **December 2023**

Colgate University, Hamilton, NY
- B.A., Neuroscience, *Magna Cum Laude* (3.73/4.00)   **May 2015**

TECHNOLOGY AND LANGUAGES
- Technology: SQL, Python (Pandas, Numpy, Scikit-learn, scipy, Tensorflow, PyTorch, Transformers, Prophet, FastAPI, Hugging Face, PuLP), R (dplyr, ggplot), Git, Docker, Kubernetes, Amazon Web Services (AWS), GCP (Google Cloud Platform), Azure
- Business Intelligence and Visualization: Sisense, Matplotlib, Seaborn, Plotly, Grafana
- Databases: PostgreSQL, Neo4j, MongoDB, Redis, Prometheus
- Language: Spanish, intermediate in Italian

LEADERSHIP AND HONORS
UC Berkeley

- UC Berkeley Honor Society

PwC, Financial Services Advisory
- *Spring 2016 Financial Services MVP, Rookie of the Year:* Selected as 1 of roughly 300 people in recognition for outstanding client impact, flexibility, willingness to learn, and desire for actionable feedback
- *Financial Services Advisory Staff Council Co-Lead*: Elected to serve as a leader on a firmwide team committed to enacting positive change within PwC

Colgate University
- Dean's Award for Academic Excellence, Phi Eta Sigma First-Year Honor Society, Psi Chi Neuroscience Honor Society

Center for Creative Leadership
- Selected as a campus leader to participate in a two day leadership workshop