

# Jackson Walker

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## EDUCATION

### University of California, Berkeley - Haas School of Business (GPA: 3.84/4.00)

Expected March 2024

#### Master of Financial Engineering

Berkeley, CA

- Vice President of Financial Engineering Student Association (FESA)
- Coursework: Empirical Methods in Finance (A), Investments and Derivatives (A)

### University of California, Santa Barbara (GPA: 3.79/4.00)

June 2019

#### Financial Mathematics and Statistics

Santa Barbara, CA

- Upper Division GPA: 3.90/4.00, High Honors, Regents Scholar
- Coursework: Statistical Machine Learning (A+), Advanced Numerical Analysis (A+), Linear Algebra (A), Probability and Statistics (A), Micro/Macro Economics, Big Data Analytics (A)

## SKILLS

Certifications: Math [& Statistics] for Financial Engineers (Berkeley), Python (Berkeley), Machine Learning (Coursera, UW), Financial Markets (Coursera, Yale), Accelerated Computer Science Fundamentals (Coursera, UIUC)

Programming: Python (pandas, numpy, scikit-learn, tf, scrapy, pyspark), SQL (GoogleSQL, T-SQL), C++, R, JavaScript/Web

## INDUSTRY PROJECTS & RESEARCH

### Fabric (Fintech)

Berkeley, CA

#### Industry Project - AI Portfolio Chatbot

July 2023 - Ongoing

- Prototyping an interactive, finance-aware LLM agent using OpenAI's GPT and LangChain to answer client questions

### Bank of America

Berkeley, CA

#### Research Project - Regime Detection - [Click here for dashboard](#)

April 2023 - July 2023

- Reviewed literature about financial regime detection using Hidden Markov models, clustering, and other methods
- Implemented and compared regime detection methods applied to asset allocation strategies for meta-analysis

### Silver Lake (Private Equity)

Menlo Park, CA

#### Industry Project - Competition Knowledge Graph

March 2023 - May 2023

- Constructed a Neo4J graph of 1000+ business entities such as companies, products, features, and categories
- Authored python package to generate investment insights with data science algorithms applied to graph data

## PROFESSIONAL EXPERIENCE

### National Funding (SMB Financing)

San Diego, CA

#### Data Scientist II

September 2022 - March 2023

#### Data Scientist I

February 2022 - September 2022

- Improved probabilistic marketing lead ranking alongside other Data Scientists to lift response and submission rates
- Positioned \$10+ million of annual marketing spend between 35+ million potential leads on a monthly basis
- Modernized large batch automated processes with python, SQL, and AWS cloud tools to speed up delivery time 2x
- Analyzed and revamped credit models based on consumer credit reports used to rate 1,000+ daily lending deals
- Updated legacy R credit models and API to a more robust, forward compatible, python and cloud implementation
- Promoted quickly from entry to mid level to match level of experience, technical ability, and results achieved

### Webster Pacific (Management and Data Consulting)

San Francisco, CA

#### Data Manager

August 2021 - February 2022

- Managed a team of 3 technical analysts to collaboratively iterate and deliver client projects
- Created business insights for clients with interactive, visual, predictive models using Tableau or custom web apps
- Designed highly customized products to fit client needs often with a geographic (GIS) data emphasis
- Expanded in-house product line by 2x by introducing new technical tools such as Python, SQL, cloud, etc.

#### Associate Consultant

July 2019 - August 2021

- Scraped 100+ modern websites and orchestrated automated crawling for location and time series analysis
- Developed methodology and code base to analyze patterns of anonymized mobile data used for 10+ client projects
- Wrote data manipulation and mapping software packages to generate custom web apps for client deliverables

### Lull Ventures (Ecommerce)

San Francisco, CA

#### Data Analyst Intern

November 2018 - June 2019

- Built standardized reporting dashboards using Tableau emphasizing automation and scalability
- Implemented machine learning models and forecasts alongside the Lead Data Scientist
- Communicated key findings to stakeholders including company president and CEO

**INTERESTS** Running, Weight Training, Rock Climbing, Pen Plotting, Generative Art

See my website, [jwalk.io](http://jwalk.io)