Jackson Walker

(858) 525-1412 | jacksonwalker@berkeley.edu | linkedin.com/in/jacksonrgwalker | jwalk.io | US Citizen

EDUCATION

University of California, Berkeley - Haas School of Business (GPA: 3.91/4.00)	**Mar 2024**
Master of Financial Engineering	*Berkeley, CA*

- Top 5% Academic Performance, Vice President of Financial Engineering Student Association (FESA), AFP Finalist
- *Coursework:* Financial Data Science (A), Deep Learning and Applications I (A) & II (A), Empirical Methods (A), Investments & Derivatives (A), Fixed Income Markets (A), Financial Risk Measurement and Management (A)

University of California, Santa Barbara (GPA: 3.79/4.00)	**Jun 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), Statistics (A)

SKILLS & CERTIFICATIONS

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	*Jul 2023 - Sep 2023*

- Built a financial AI assistant chatbot agent to help Portfolio Managers using GPT, LangChain, and Llama-index

BlackRock - Applied Finance Project	**Berkeley, CA**
MFE Capstone Project - Regime-Dependent Factor Model Framework for Quant Finance - Paper	*Jan 2024 - Mar 2024*

- Implemented a structured factor model combining classical approaches to factor modeling with novel research ideas
- Optimized models over regime-conditioning, factor selection, and factor engineering parameter search spaces
- Presented to a jury of industry executives as a selected finalist (one of the top three) as a part of the AFP competition

10K Talk	**Berkeley, CA**
Personal GenAI Project	*Sep 2023 - Nov 2023*

- Prototyped a LLM finance bot that can automatically pull, parse, and chat about public filings using SEC EDGAR API

PROFESSIONAL EXPERIENCE

Moody's Analytics	**San Francisco, CA**
Assistant Director - Data Science	*Jan 2024 - Current*
Data Science Team - Fall Internship	*Oct 2023 - Jan 2024*

- Leveraging Generative AI technology to further automate the regulatory reporting process for large bank clients
- Working on the Banking Technology Solutions team to implement GenAI solutions across many other banking use cases

National Funding (SMB Financing)	**San Diego, CA**
Data Scientist II	*Sep 2022 - Mar 2023*
Data Scientist I	*Feb 2022 - Sep 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 an 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	*Aug 2021 - Feb 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	*Jul 2019 - Aug 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

INTERESTS

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