

RICARDO FRANK BARRERA

I use data to build experiences and delight customers

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ROLES & IMPACT

Chief Executive Officer

@Sole Proprietor with Multiple Partnerships in Real Estate

📅 2017 – present

📍 Seattle, WA

- Personally developed a residential real estate investment platform using deep learning, statistics, and forecasting
- Established and managed partnerships with 30+ real estate professionals to support client needs end-to-end
- Recruited, hired, and directly managed a team of 10 handling construction, bookkeeping, accounting, property management, and inventory management to support clients
- Scope and impact delivered to clients:
 - Acquired and/or managed \$15,000,000+ USD in assets
 - Property revenue increased by 70% on average
 - Renovation expenses reduced by 30% on average
 - Acquisition cost averaged 8% below fair market value

Senior Program Manager and Data Scientist

@Accolade

📅 2016 – 2017

📍 Seattle, WA

- Recruited by CTO to establish Data Science PM role
- Defined and managed Accolade's Data Science roadmap:
 - Health-assistant matching service
 - Discussion topic recommendations for health assistants
 - Mobile application AB testing
 - Call-center call volume forecasting
 - Improved search functionality for health assistants
- Business impact from my efforts include:
 - Delivered first Data Science service in production, health assistant matching, along with several other prototypes
 - Spearheaded company-wide Data Science 101 initiative, boosting collaboration with Data Science
 - On-boarded new telephony platform

Program Manager II

@Microsoft

📅 2011 – 2016

📍 Bellevue, WA

- Owned feature roadmap and managed team execution against goals and deliverables for:
 - Big data workload optimization and storage optimization
 - Data center disaster recovery and business continuity
 - Customer capacity management and storage reporting
 - Security upgrades and customer adoption
- Business impact from my efforts include:
 - Reclaimed \$5,000,000 USD in lost revenue and eliminated storage service disruptions due to capacity mismanagement
 - Decommissioned three active production data centers and moving an Exabyte of data in the process
 - Reduced storage expenses by \$2,000,000 USD by creating Markov Model used to optimize storage policy and configuration

ABOUT ME

I'm a data-driven Program Manager and Data Scientist with 10+ years of experience managing projects at scale (100+ contributors, \$10+ Million USD) and building businesses and organizations from the ground up. My strengths in analytics and communication allow me to effectively manage at scale across organizations and audiences (e.g., C-level executives), as a manager or individual contributor.

EDUCATION

M.S. Information and Data Science

U.C. Berkeley

📅 2015 – 2017

📍 Remote

B.S. Electrical Engineering

Rice University

📅 2006 – 2011

📍 Houston, Texas

SKILLSETS

Program Management

- Methodologies: Agile (Scrum), Waterfall
- Platforms & Tools: JIRA, OmniPlan

Programming & Data Science

- Languages: Python, SQL, R
- Platforms: AWS Cloud, Docker, Git
- Mathematics:
 - Statistics & Probability Methods, such as:
 - Markov Models
 - AB Testing
 - Supervised Learning Methods, such as:
 - Linear and Logistic Regression
 - Support Vector Machines
 - Unsupervised Learning Methods, such as:
 - K-Means Clustering
 - PCA / SVD
 - Deep Learning Methods, such as:
 - Convolutional Neural Networks
 - LSTM Neural Networks
- Data Science Tools: Tensorflow, SciPy, NumPy, SKLearn, Pandas, Jupyter, Apache Airflow