

# 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 with 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