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 benefits 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