

RICARDO FRANK BARRERA

I use data to build experiences and delight customers

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IMPACT & DELIVERABLES

Founder & Chief Executive Officer

@Startup in Stealth Mode

📅 2017 – present

📍 Seattle, WA

- Developed a real estate data curator and property investment recommendation system on AWS using novel techniques (e.g., analyze real estate imagery using a convolutional neural network)
 - The recommendation system identified two strong candidates later acquired for 15-20% below market value by myself and a business partner
- Doubled property value based upon projected cashflows using novel construction strategies and techniques specific to short-term rentals to delight guests while maximizing revenue,
- Managed a team of five people involved in construction, bookkeeping, and property management
- Personally handled most construction end-to-end, including architectural drawing, electrical system design and installation, plumbing system design and installation, and framing

Senior Program Manager and Data Scientist

@Accolade

📅 2016 – 2017

📍 Seattle, WA

- Established Data Science PM role and charter as first PM
- Worked closely with Accolade executives to identify and deliver high impact investigations and prototypes
- Created probabilistic client experience model providing insights informing investment priority. Because of those insights, I:
 - Deployed the first data science service in production, a health-assistant recommendation service for clients
 - Prototyped a new benefits search system on Elasticsearch to enable content-based search
 - Defined data schema and capture requirements to enable future initiatives like A/B testing the Mobile app
- Spearheaded internal Data Science 101 initiative, boosting collaboration and innovation between Data Science and other teams

Program Manager II

@Microsoft

📅 2011 – 2016

📍 Bellevue, WA

- Reduced storage expenses by \$2,000,000 USD by creating Markov Model used to optimize storage policy and configuration
- Drove improvements to capacity management and business continuity features
 - Reclaimed \$5,000,000 USD in lost revenue and eliminated storage service disruptions due to capacity mismanagement by redesigning storage reporting service
 - Supported decommissioning three active production data centers and moving an Exabyte of data in the process

ABOUT ME

I'm curious, fearless, driven, and passionate about people, tech, art, and real estate. My greatest strengths are:

- Calm under pressure
- Anti-fragility
- Empathetic
- Intellectual flexibility

EDUCATION

M.S. Information and Data Science

U.C. Berkeley

📅 2016 – present

📍 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, Regression Methods, NLP, Deep Learning
- Data Science Tools: Tensorflow, SciPy, NumPy, SKLearn, Pandas, Jupyter

Real Estate

- Architectural drawing
- Residential electrical
- Residential plumbing
- Residential framing
- Financial modeling
- Accounting
- Property management