

# Edward Yam

edwardm.yam@gmail.com | 818-221-5380

## Technical Skills

---

Programming languages: Python, Ruby, Java, React, Matlab, SQL, LaTeX, Typescript

Machine Learning/ Data Science: TensorFlow, Keras, Pytorch, Scipy, Apache Spark, Pandas, Numpy

Services: Git, Mongo Atlas, ArgoCD, NewRelic, Tableau

## Experience & Research

---

### RoundHouseOne - AI/ML Data Engineer

August 2024 - Present | San Francisco, CA

- Designed and implemented data pipelines for visualizing spatial data of buildings, enhancing decision-making processes for urban management using LLMS and LLM Agents
- Developed a streamlined framework for data ingestion that leverages metadata to increase data confidence and improve data quality.
- Worked with government agencies to optimize space use with environmental and cultural data

### Pi Network - Social Chain - Software Engineer

Jun 2022 - Nov 2023 | Palo Alto, CA

- Led a three-person team to develop Brainstorm, an app development platform with 100k daily users
- Reduced server cost by 90% by implementing more efficient Mongo queries and refactoring
- Primary BE engineer for GDPR compliance and the Brainstorm PI network application

### RISE Lab - DARE Undergraduate Researcher

Nov 2020 - Sep 2021 | Berkeley, CA

- Classified lightcurves using machine learning techniques such as neural ODEs and transformers to create latent space representations of time-series data

### BigFix - HCL - Software Engineer Intern

May 2020 - Aug 2020 | Emeryville, CA

- Created an ETL pipeline for digesting and analyzing server activity using the Elastic Stack
- Developed an application to auto-identify inactive customers, improving customer retention

### Calypso - Cofounder

Aug 2019 - Dec 2020 | Berkeley, CA

- Worked in a five-person team to create a borrower-first loan platform to find competitive rates & terms using blockchain and a novel reverse-auction matching process
- Conducted user testing and developed the user interface and data dashboards
- In the Spring 2020 cohort of the Berkeley Blockchain Xcelerator and SkyDeck Hotseat Accelerator

### UC Berkeley School of Information - URAP Undergraduate Researcher

Sept 2019 - Jan 2021 | Berkeley, CA

- Utilized phone records to construct social networks and detect migrations from 5 billion calls
- Created and optimized code to generate and process migration metrics from 5 terabytes of data

### Fidelity Investments - Data Engineer Intern

Jun 2019 - Aug 2019 | Dallas, TX

- Worked with cybersecurity teams to generate security reports using Tableau, SQL, and Pandas
- Created software to detect errors between databases with automated scripts in Python
- Used natural language processing to detect and fix information in databases

## Education

---

### Berkeley, University of California

- M.S. in Electrical Engineering and Computer Science, concentration in Machine Learning

### Berkeley, University of California

- B.A. in Computer Science, B.A. in Applied Mathematics with a concentration in Data Science

Distinctions: EECS Honors Program

Member of Upsilon Pi Epsilon, IEEE UC Berkeley Chapter, and ASCE UC Berkeley Chapter

## Extracurriculars

---

### Aurora Consulting - Financial Consultant

August 2018 - Present | Berkeley, CA

- Worked with the startup Penpath to create a predictive model for customer actions and revenue
- Used G-boosting, neural networks, and nonlinear regression to create a time-series predictor