Edward Yam

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

Technical Skills

Programming languages: Python, Ruby, Java, React, Matlab, SQL, LaTeX,
Machine Learning/ Data Science: TensorFlow, Keras, Pytorch, Scipy, Apache Spark, Pandas, Numpy
Services: Git, Mongo Atlas, ArgoCD, NewRelic, Tableau, MySql

Experience & Research

Pi Network - Social Chain - Software Engineer   *Jun 2022 - Present | Palo Alto, CA*
- Led a three-person team to develop features that facilitate growth in the company's app ecosystem
- 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

UC Berkeley Concrete Canoe - Mid-Pacific Conference Director   *May 2019 - April 2020*
- Organized the competition events in the American Society of Civil Engineers Mid-pacific region
- Worked extensively with the Civil Engineering department to secure insurance and clearance, coordinate with judges, book racing venues, find safety personnel, and organize volunteers