

# MING FONG

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## EDUCATION

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**University of California, Berkeley**

June 2020 - May 2024

*Bachelor of Arts, Physics and Computer Science (EECS Honors)*

*Berkeley, CA*

**Cumulative GPA:** 3.76

**Coursework:** Machine Learning, Neural Networks, Discrete Math, Probability, Linear Algebra, Data Structures

**Activities:** Traders at Berkeley, Student Association for Applied Statistics (SAAS), Capital Investments at Berkeley

## EXPERIENCE

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**Balyasny Asset Management LP**

May 2023 - August 2023

*Quantitative Research Intern*

*New York City, NY*

Equities alternative data for modeling technology component utilization effects on company fundamentals

Built modeling and data pipelines for portfolio management and quantamental trading strategies into production

**Google DeepMind**

September 2022 - December 2022

*Core Research Engineering Intern*

*London, UK*

Scaling and GPU/TPU data parallelization on graph representation learning models for algorithmic reasoning in JAX

Proposed, implemented, and evaluated novel methods for transfer learning on pre-trained graph neural networks

**Two Sigma Investments LP**

May 2022 - August 2022

*Quantitative Research Intern*

*New York City, NY*

Alpha research for equities using proprietary alternative data focused on consumer signals and company similarity

Large scale data analysis and linear modeling with Python and distributed time series compute with Groovy

**Lawrence Berkeley National Laboratory**

January 2021 - Present

*Machine Learning Researcher*

*Berkeley, CA*

Point Cloud Deep Learning Methods for Pion Reconstruction in the ATLAS Experiment ([ATL-PHYS-PUB-2022-040](#))

Applied graph neural networks and data engineering to high dimensional particle collision data from CERN

**Voloridge Investment Management**

May 2021 - August 2021

*Quantitative Research Intern*

*Jupiter, FL*

Portfolio holdings inference of non-transparent funds using statistical and machine learning methods

Reduced dimensionality of securities universe tenfold using correlations, regressions, and feature selection techniques

Applied portfolio constraints via modified LASSO and Ridge regressions in a convex optimization problem

**AI Dynamics**

August 2020 - January 2021

*Software Engineering Intern*

*Bellevue, WA*

Developed a Python framework to deploy proprietary data modeling software to AWS EC2 using the Boto3 API

Saved 8+ hours per build iteration by automating the entire testing pipeline for the NeoPulse API on AWS Instances

**Microsoft Corporation**

June 2019 - August 2019

*Software Engineering Intern*

*Redmond, WA*

Developed internal desktop applications for the Windows Data Science team with 50+ users using C# and XAML

Designed and maintained backend SQL database tables and implemented queries and REST API endpoints

## ACTIVITIES

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**Kaggle Data Science Competitions Expert**

Kaggle data science Competitions Expert with a peak global rank of 1081 (top 0.5%)

Halite Two Sigma AI Programming Competition: Bronze Medal, Kore 2022: Bronze Medal

**Google Trends Financial Modeling**

Used Google Trends data to predict ETF price movements and developed a simple trading strategy

Implemented EDA, feature engineering, modeling, and backtesting in Python with Pandas, Scikit-learn, NumPy

**Berkeley SAAS Data Science Consulting**

[Orbital Insight](#) - Missing object interpolation for cloudy satellite imagery using geospatial and time-series techniques

[ProducePay](#) - Feature importance analysis and predictions for terminal and shipping price quotes of produce

## SKILLS

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**Software Languages**

Python, R, Java, C#, SQL, HTML/CSS/JavaScript

**Tools**

NumPy, Pandas, Scipy, Sklearn, JAX, Jupyter, Linux, Windows, VS Code, Git

**Interests**

Table Tennis, Tennis, Running, Badminton