

# MING FONG

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[github.com/evilpegasus](https://github.com/evilpegasus)

## 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, Deep Learning, Particle Physics, Probability, Quantum Mechanics, Optimization  
**Activities:** Traders at Berkeley, Student Association for Applied Statistics (SAAS), Capital Investments at Berkeley

## EXPERIENCE

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**Headlands Technologies LLC** August 2024 - Present  
*Research Developer* Chicago, IL

**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

**DeepMind Technologies Ltd** September 2022 - December 2022  
*Core Research Engineering Intern* London, UK  
Scaling and GPU/TPU data parallelization on graph neural networks 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

### Data Scientist Consultant

[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