

Matthew Schiffman | Data Scientist

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Experience

- **CoinID** **San Francisco, CA**
 - *Co-Founder and CTO* 2016
 - CoinID is a prelaunch image recognition application designed to identify and grade rare coins.
 - Trained deep learning neural network for processing images using TensorFlow.
 - Built web crawler which scraped and stored thousands of images in a MongoDB database.
- **Research Pros** **Chicago, IL**
 - *Financial Analyst* 2013–2014
 - Collaborated on team of six consultants to determine feasibility and implement \$150 million processing plant and pipeline.
 - Initiated creation of additional revenue stream increasing expected project revenue by 10%.
 - Developed risk model to minimize commodity price exposure using Monte Carlo experiments on time series data.
 - Designed multi-armed bandit testing procedure and statistically analyzed results for financial education product.
- **Citadel Investment Group** **Chicago, IL**
 - *Quantitative Analyst* 2011–2012
 - Managed a team of three data analysts as a member of John List's economic consulting firm.
 - Developed a proprietary signal and investment portfolio that generated above-market returns.
 - Performed time series regression analysis on large financial data sets in R and Python.
- **University of Chicago Booth School of Business** **Chicago, IL**
 - *Graduate Researcher* 2009–2013
 - Conducted research in asset pricing and search theory.
 - Developed financial model linking stock returns to online consumer search behavior.
 - Employed Bayesian statistical analysis and dynamic GMM econometric testing.
 - Presented extensively at seminars and conferences.
 - Awarded Nielsen grant for research in consumer behavior.
 - Taught sections of microeconomics for over 60 MBA students with an evaluation of 4.73/5.00.

Education

- **Galvanize Inc** **San Francisco, CA**
 - *Data Science Fellow* 2016
- **MBA Economics, University of Chicago Booth School of Business** **Chicago, IL**
 - *Master of Business Administration, GRE: 800Q 610V, full scholarship and stipend (top 5%).* 2013–2015
- **B.S. Mathematics and Economics, Brown University** **Providence, RI**
 - *Departmental Honors (top 5), SAT: 800M 770V, GPA 3.62/4.00 (Economics GPA 3.80).* 2005–2009

Skills

Programming

- Python
- SQL, PostgreSQL, MongoDB
- Matlab, Stata, Basic C++, Java
- Map Reduce, Apache Spark

Data Analysis

- Machine Learning
- Experimental Design
- Econometrics, Regression Analysis
- Statistics (Bayesian and Frequentist)

Packages

- SKLearn, Numpy, Scipy, TensorFlow
- BeautifulSoup, NLTK, Pandas
- Flask, Bootstrap
- AWS EC2 + S3