Evan Chow

Software Engineer - Uber Technologies

San Francisco, CA - Email me on Indeed: indeed.com/r/Evan-Chow/0ca6cffde16281ed

WORK EXPERIENCE

Software Engineer

Uber Technologies - San Francisco, CA - August 2016 to Present

• Engineering, data analysis, and quantitative modeling on the team that optimizes dispatch for all of Uber.
• Computed and debugged key metrics to launch vehicle routing problem (VRP) algorithms for UberEATS, generating +30% driver-restaurant matches and +40% driver-hour savings globally. Analyzed driver-rider match
rate data and built out pipeline for time-varying dispatch in UberPOOL, boosting matches by +2.5% in simulation.
• Designed and conducted simulations of fast linear assignment algorithms to streamline rider pickup at concerts and other large events. Showed we could reduce rider waiting times by 5.43% on average and by up to 36.3%.

Co-Founder & President

Princeton Data Science Club - San Francisco, CA - December 2014 to May 2016

Founded the Data Science Club to connect data-minded students and provide hands-on data science experience.

Research Assistant

Quantitative Social Science - San Francisco, CA - June 2015 to December 2015

Authored chapter exercises for a 2017 faculty textbook on mathematical methods in politics, sociology, & law.

Intern, Detection and Response

Salesforce.com - San Francisco, CA - June 2015 to August 2015

Industry research in information security and large-scale machine learning. Implemented a near-linear, angle-based approximation algorithm on Apache Spark (PySpark) to detect outliers in high-dimensional user data.

Author

Price, Anchoring, & Substitution - Princeton, NJ - September 2014 to May 2015

Behavioral economics thesis. Researched how the anchoring bias distorts sales of related artwork at top auction
houses in NYC and London, based on in-person interviews and historical data. Advised by a game theorist.

Author

Dynamic Spillovers in Price Volatility Across Bitcoin Exchanges - Princeton, NJ - September 2014 to May 2015

Econometric paper. Researched volatility spillovers across 8 Bitcoin exchanges with financial time series models
(CCC-/DCC-GARCH) with R and STATA. Advised by a former executive of the IMF and State Bank of Pakistan.

OTHER

• Awards: Mindsumo.com student programming contests: Capital One (2014; 1st/80), RetailMeNot (2015; 3rd/80).
• Tech projects: JazzML: artificial jazz improvisation in Python (2014); interviewed in Aeon.co magazine (2016).

Intern, Data Science

PayPal - San Jose, CA - June 2014 to August 2014

Built automated econometric & machine learning models to forecast sales behavior for merchants ranging from unicorn startups to Fortune 50 companies. Communicated predictive insights to senior executives and BI teams.

Fellow

Princeton Writing Program - Princeton, NJ - September 2013 to May 2014

One of 60 writing consultants selected by the University to diagnose, critique, and advise around 100 students on a wide range of papers ranging from first-year history essays to graduate dissertations in theoretical economics.

RESEARCH & PROJECTS

EDUCATION

A.B. in Economics

Princeton University - Princeton, NJ
2012 to 2016

LINKS

http://GitHub.com/evancchow

http://LinkedIn.com/evancchow