

# Andrew Young

## Résumé

2530 Erwin Road Apt. 382

Durham, NC 27705

+1 (408) 781 4544

aw236@duke.edu

## Education

05/16 **M.S. Statistics**, *Duke University*,

- *Interests*: Machine learning, computer vision, data visualization, predictive modeling
- *Relevant Courses*: Machine Learning, Advanced Machine Learning, Applied Data Science, Predictive Modeling, Modern Design of Experiments, Statistical Programming, Statistical Computation, Bayesian Statistics, Theory of Inference, Advanced Stochastic Modeling, Statistical Consulting, Causal Inference, Bayesian Decision Theory
- *Projects*: Yelp photo classification, determining police precincts from NYC parking citation Open Data using SVMs, real-time face and eye detection, hypothermia treatment evaluation, consulted Saudi Arabia's nursing system for improved patient outcomes
- *Teaching Experience*: Stat101: Data Analysis/Inference; Math342D: Statistics. Promoted to Head Teaching Assistant (Fall 2015-Spring 2016)
- *Professional Membership*: Society for Industrial and Applied Mathematics (SIAM)

06/11 **B.A. Business Economics**, *University of California, Irvine*,

**B.A. International Studies with Honors**, *University of California, Irvine*,

- Honors Thesis, "*International Shocks on the U.S. Economy from 1920-1939*"
- Statistics Thesis, "*Fitting Generalized Linear Models with Log-Link Functions to NBA Data*"
- Top 2% GRE score (07/2011); Winner of two Research Fellowships: \$1,300.
- Student government leader, steward of \$6.58 million budget and 86 staff, and school newspaper staff writer
- Physics Instructor. Omicron Delta Epsilon Honor Society. National Society of Collegiate Scholars.

## Professional Experience

01/14–12/15 **Senior Consultant**, *Duke University Statistical Consulting Center*, Durham, NC

- Directed a team of graduate and advanced undergraduate students in a fast-paced environment.
- Consulted Duke University faculty, students and staff on research involving statistical methods.
- Produced reports highlighting insights in a variety of domains including medicine, ecology and business.

07/11–05/13 **Financial Analyst**, *Esurance, an Allstate company*, San Francisco, CA

- Built and maintained financial models for strategic long-term planning.
- Prepared ad hoc dashboards and analyses for C-level executives using SQL, PivotTables and VBA.
- Created monthly, quarterly and annual forecasts, plans, cost-benefit analyses and scenario analyses.
- Assessed China and Canada for expansion and valued potential start-ups for acquisition.
- Pitched model-based plans to a Fortune 100 company Board of Directors.
- Improved efficiency of workflow processes for faster turnaround in a high-paced environment.

02/10–07/11 **Research Team Leader**, *UCI Department of Economics*, Irvine, CA

- Trained and managed 25 Research Assistants to compile NYC banking data for the 1900s.
- Completed a 12-week project in 3 weeks.
- Developed algorithms to validate data on entry and prevent data corruption.
- Built a data set from disparate sources and conducted time-series analysis with R.
- Assisted with research for MIT Press published textbook, *Money, Payments, and Liquidity*.
- Built a multivariate GLM predicting NBA team wins.

10/10–12/10 **Jr. Analyst**, *Belgravia Capital Investment Bank*, Costa Mesa, CA

- Due diligence for \$2.3 billion sale-and-leaseback with California, Morgan Stanley and Bank of America.

10/10–12/10 **Intern**, *UBS Financial Services*, Irvine, CA

- Produced weekly profitability reports and a 60-page book of small-cap, institutional investors in Orange County

## Skills

- Tableau, git, RStudio, PyCharm, Excel (with Python), PowerPoint, Word.

## Languages

- R, Python (numPy, pandas, scipy, scikit-learn, nltk, matplotlib), Stata, SQL,  $\text{\LaTeX}$