Andrew Young

Résumé

Los Angeles, CA
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Education

12/16 — **M.S. Statistics**, *Duke University*,
- *Interests*: Machine learning, computer vision, data visualization, predictive modeling
- *Projects*:
  - *Convolution Neural Network:* Yelp photo classification
  - *SVM:* convex hulls of police precincts from NYC parking citation data
  - *Computer Vision:* real-time face and eye detection
  - *Consulting projects:* hypothermia treatment evaluation, Saudi Arabia's nursing system
- *Teaching Experience*: Stat101: Data Analysis/Inference (Head TA); Math342D: Statistics.
- *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

08/16–Present — **R&D Data Scientist Manager**, *Neustar*, Los Angeles, CA
- Create external Hive tables from raw data sources and use HiveQL on Hadoop HDFS clusters for ETL.
- Utilize PySpark, SparkR, Python, R, Spark and Jupyter notebooks to find interesting stories hidden in data.
- Train over 10 data analysts in the skills mentioned above and maintain internal R&D documentation.
- Review academic literature, weekly, to discover cutting-edge ideas for possible application to production code.

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 financial models, cost-benefit analyses, and scenario analyses for strategic planning.
- Prepared ad hoc dashboards and analyses for C-level executives using SQL, PivotTables and VBA.
- Assessed China and Canada for expansion and valued potential start-ups for acquisition.
- Led stragetic planning of a Fortune 100 company through financial modeling.
- 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 and developed data validation formulas.
- Assisted with research for MIT Press published textbook, *Money, Payments, and Liquidity*.

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

- Hive, Hadoop, RStudio, PyCharm/Rodeo/Jupyter, Excel (with Python), PowerPoint, Word, Tableau, git

Languages

- R (SparkR), Python (PySpark, numPy, pandas, scipy, scikit-learn, nltk, matplotlib), Stata, SQL, HiveQL, LaTeX