Andrew Wong

Résumé

2530 Erwin Road Apt. 382
Durham, NC 27705
☎ +1 (408) 781 4544
✉ aw236@duke.com

Education

08/16 **M.S. Statistics**, *Duke University*,
- *Interests*: Machine learning, data visualization, predictive modeling, non-parametric Bayesian A/B testing
- *Relevant Courses*: Machine Learning, Predictive Modeling, Statistical Programming, Statistical Computation, Bayesian Statistics, Theory of Inference, Advanced Stochastic Modeling, Statistical Consulting, Causal Inference, Bayesian Decision Theory
- *Projects*: SVMs to determine police precincts from parking citation data, self-driving RC car with Kalman filters, Duke Medicine hypothermia treatment efficacy 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-Present).
- *Professional Membership*: Society for Industrial and Applied Mathematics (SIAM).

06/11 **B.A. Business Economics**, *University of California, Irvine*,
- Honors Thesis, *"International Shocks on the U.S. Economy from 1920-1939"*
- Data Analytics Thesis, *"Fitting Generalized Linear Models with Log-Link Functions to NBA Data"*

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

- GRE (07/2011): Top 2%; Two Research Fellowships: $1,300.
- Student government: Advised $6.58 million budget, 86 staff
- New University Newspaper Staff Writer. Wrote opinion-editorial articles for 8,000 readers.
- Physics Instructor. Omicron Delta Epsilon Honor Society. National Society of Collegiate Scholars.

Professional Experience

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, LaTeX