Michael Maltese

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EDUCATION

Pomona College, *B.A. in Applied Math, minor in Economics, May 2014. GPA: 3.27.*
- Thesis on <u>Bayesian Methods in Election Forecasting</u> focused on analyzing poll data through Markov-Chain Monte Carlo methods, Bayesian inference, and multilevel regression.
- Courses in statistical theory, probability, econometrics, time-series econometrics, mathematical modeling, partial differential equations, operations research, and real analysis.
- Additional projects on analyzing GARCH forecasts and implied volatility, modeling social dynamics of revolutions in the Middle East, selection bias correction methods and Tobit models, analyzing job mobility and urban wage premiums, effects of parent incomes on child achievement, and female labor force decisions.

Dakar, Senegal, CIEE Language & Culture, *Spring 2013*

TECHNOLOGY EXPERIENCE

Programming languages: Python, C++, C, Go, Ruby, Haskell, R, SQL, Bash.
Software: Hadoop, R, Matlab, Numpy, PostgreSQL, Stata, EViews, git, LaTeX.
***The Five-College Menu*:** Created dining hall menu aggregator with >10,000 visits per week.
Photo Hack Day 3: Won prize for website interleaving photos from multiple Dropbox accounts.
5C Hackathon: Wrote course recommender in a team of 4 using k-means clustering.

WORK EXPERIENCE

Pomona College Information Technology Services, Service Desk Supervisor
Jan 2011–May 2014, and Summer 2013, Claremont, CA
Hired, trained, and managed student workers and participated in twice-monthly management meetings. Solved client problems in person, on the phone, and over email.

Chute Corporation, Data Analyst
Summer 2012, San Francisco, CA
Analyzed Twitter and Instagram campaigns of large consumer brands. Prototyped media stats backend on Apache Cassandra. Generated and visualized company metrics for head of product.

Pomona College Biology Department, Bioinformatics Research
Summer 2011, Claremont, CA
Designed and developed software tool to analyze gene sequence and protein domain match data. Prototyped a faster version of a gene shuffling project using Hadoop on Elastic MapReduce.

LEADERSHIP, CAMPUS INVOLVEMENT, AND OTHER SKILLS

Pomona-Pitzer Cross Country / Track & Field: Fall 2010, 2012, and 2013; Spring 2014.
Residence Hall Staff: Mentored and lived with 14 first-year students, Fall 2011–Spring 2012.
Orientation Adventure Leader: Led three-day long trip for 55 students, August 2012.
Languages: English, French, Spanish, Wolof.