

Swupnil Kumar Sahai

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EDUCATION

Columbia University Aug 2013 - May 2017
Ph.D. in Statistics

U.C. Berkeley Aug 2009 - May 2013
B.A. Honors in Applied Mathematics, Statistics, and Economics
Minor in Chinese Language and Culture

EXPERIENCE

Mangolytics - Co-Founder and CEO [Link] Nov 2014 - Present
Wrote 20,000+ lines of Swift to develop Swing, the world's first social network & analytics expert for tennis, on Apple Watch. Won a WWDC 2016 Scholarship.

Tesla Motors - Autopilot Computer Vision Intern May 2016 - Present
Generated ground truth labels for images in C++, trained deep neural networks in Caffe, and built live prediction visualizations in CUDA.

Tesla Motors - Data Science Intern May 2015 - Aug 2015
Built a Python module to automate Bayesian Weibull fitting and visualization of fleet failure data, for use by Tesla's reliability engineering team.

Apple - Finance Intern May 2011 - Aug 2011
Restructured the database that stores all of Apple's Latin America & Caribbean transactions and wrote an Apple Script to automate financial report generation.

RESEARCH

Columbia Data Science Institute - Andrew Gelman and David Schiminovich Sept 2014-Present
Developing a parallelized Monte Carlo algorithm in R to model ultraviolet photons from the observable universe and detect radiation from the Big Bang.

Columbia Department of Statistics - Andrew Gelman and Tian Zheng Jan 2014-Present
Fitting overdispersed poisson models in R to social network surveys to estimate the secret-keeping of women who've had abortions and miscarriages.

POPULAR PRESS

"Triple Majors Make 27 at Cal Noteworthy." *San Francisco Chronicle*. January 2013. [Link]

SKILLS & INTERESTS

Swift, R, Python, C++, JAVA, Ruby, \LaTeX
8 Years of Mandarin Chinese; Fluent in Hindi
Enjoy volunteering, traveling, Poker, skiing, basketball, and tennis