

RYAN QUAN

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Education	Mailman School of Public Health, Columbia University MPH, Public Health Informatics Relevant Coursework: Computing with SAS, Decision Analysis, Data Mining, Data Visualization	(Expected) May 2015
	University of California, Berkeley B.S., Microbial Biology	Dec 2011

Skills	Data Analysis and Visualization Using statistics to model complex decisions and uncover meaningful patterns in our society.	Programming and Databases Optimizing the research pipeline by coding efficient query strings and mapping scripts.	Multidisciplinary Research Bridging background in biology and finance to tackle questions ranging from health policy to the human microbiome.
	Technical		
	R	Python	Stata
	SAS	MySQL, SQLite	MongoDB
	GIS (R, QGIS)	TreeAge	LaTeX

Experience	Graduate Research Assistant, Genkinger Lab Columbia University, Department of Epidemiology Lead coding for DNA methylation analysis of ovarian cancer biomarkers using machine learning algorithms and R/Bioconductor. Conduct data analysis using SAS. Write scripts using Python to optimize research and administrative tasks.	Feb 2014 - present
	Graduate Research Assistant, Muennig Lab Columbia University, Department of Health Policy Lead independent research on the health effects of altruism and multigenerational families using Stata. Conduct cost-effectiveness analysis, building Markov models and running probabilistic sensitivity analyses to cross-validate results.	Dec 2013 - present
	Policy and Data Analyst New York City Council Coordinated cost-effectiveness research crucial to the introduction of new legislation Intro 0214-2014. Managed database of over 25,000 voters and developed front-facing web application using NationBuilder API. Scraped data using Python and developed statistical reports using R and QGIS to improve operations and inform policy.	Jan 2014 - Aug 2014
	Administrator P&T Wealth Management Leveraged Salesforce.com CRM to identify opportunities, needs, and gaps using SOQL. Cleaned redundancies in database to optimize queries. Led organization of seminars and events averaging 100+ attendees.	Apr 2013 - Aug 2013
	Director of Program Development Asian American Center of Santa Clara County Designed Affordable Care Act curriculum for low-income immigrant population. Created program evaluation framework to assess effectiveness of intervention. Organized community health fair for over 200 attendees.	Sep 2012 - Apr 2013
	Founder and Chairman VISION High School Outreach Founded state-wide high school program to address issues in culture and higher education. Created and manage annual scholarship fund for Vietnamese high school students totaling \$20,000+.	Jan 2012 - present
	Undergraduate Researcher UC Berkeley, Department of Nutritional Sciences	May 2010 - Jan 2012