

# RYAN QUAN

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

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Skills	<b>Data Analysis and Visualization</b>	<b>Programming and Database Management</b>	<b>Multidisciplinary Research</b>
	Using statistics to model complex decisions and uncover meaningful patterns in our society.	Optimizing the research pipeline by coding efficient query strings and mapping scripts.	Bridging background in biology and finance to tackle questions ranging from health policy to the human microbiome.
Technical	R	Stata	SAS
	Python	mySQL, SQLite	MongoDB
	QGIS	Excel VBA	LaTeX

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Experience	Graduate Research Assistant, Genkinger Lab	
	Columbia University, Department of Epidemiology	Feb 2014 - present
	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.	
	Graduate Research Assistant, Muennig Lab	
	Columbia University, Department of Health Policy	Dec 2013 - present
	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.	
	Policy and Data Analyst	
	New York City Council	Jan 2014 - Aug 2014
	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.	
	Administrator	
	P&T Wealth Management	Apr 2013 - Aug 2013
	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.	
	Director of Program Development	
	Asian American Center of Santa Clara County	Sep 2012 - Apr 2013
	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.	
	Founder and Chairman	
	VISION High School Outreach	Jan 2012 - present
	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+.	
	Undergraduate Researcher	
	UC Berkeley, Department of Nutritional Sciences	May 2010 - Jan 2012

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