

## Chak Wong

New York City, New York | (917) 667-5335 | chakwong1234@gmail.com | linkedin.com/in/chak-wong

### Data Scientist | Quantitative Analyst

- Strong statistics, science, and writing background with a history of developing functions and utilities to collect, aggregate, and analyze data into clear, concise reports for actionable results.
- Comfortable working in collaborative environments with different parties and under time constraints to meet project deadlines and specifications.

### Technical Skills

---

Machine Learning and Statistics	Regression, Experimental Design & Hypothesis Testing, Clustering, Random Forest, Neural Networks
Data Science Tools	R, Python, SAS, git, Jupyter, bash, ssh, Spark, PySpark, SQL, DigitalOcean, Hadoop, Hive, Unix/Linux, H <sub>2</sub> O, Flask

### Professional Experience

---

**Wells Fargo** New York, NY  
Data Scientist/Project Manager (Consultant), Global Enterprise Data Lake Team 09/2018 – Present

- Built scalable machine-learning & artificial intelligence algorithms to automate metadata tasks in the Data Lake.
- Draft proposals to use machine-learning in entitlement control and metadata tasks across the Data Lake.
- Built Python library that automates daily/weekly reports, completing 2-hour tasks in 1 minute.

**The Data Incubator, Pragmatic Institute** Washington, D.C.  
Data Scientist Fellow (2% acceptance rate) 01/2018 – 03/2018

- Completed 8 data science projects in Python: web-scraping & social analysis, machine learning, MapReduce, SQL, NLP, Time Series, Spark, & Music Analysis. Capstone Project: “Music Composition Using Deep Learning.”

**United Nations** New York, NY  
Data Scientist Intern/Consultant 05/2017 – 08/2018

- Used R and R Shiny to build an econometric model and a dashboard to visualize how economic policies impacts projected rapid growth at household levels in high, upper-middle, lower-middle, and low-income countries from 2014-2030.
- Wrote/Improved Python functions to web-crawl, scrape, and aggregate data from structured/unstructured online sources.
- Provided general technical support in data aggregation and manipulation for fellow team members.

**Fordham University** New York, NY  
Graduate Assistant, Researcher 08/2014 – 06/2016

- Applied Bootstrapping and Multidimensional Scaling to explore latent profile analysis in IQ tests in 20,000 participants.
- Employed machine learning methods on experimental decision-making data to compare crowdsourcing techniques.
- Evaluated and revised existing R codebases, yielding an average performance increase of 15%.
- Drafted R01 grant proposal to National Human Genome Research Institute (Research Lab awarded \$2.5 million).
- Teaching Assistant for undergraduate courses in Honors Natural Science Lab, Physics Lab, and Research Methods Lab.

**Columbia University** New York, NY  
Graduate Assistant, Research Manager 09/2011 – 12/2013

- Managed 30 graduate students across 15 government-funded research projects. Integral in submitting 5 national grant proposals (Research Lab awarded \$5+ million), and drafted 7 research articles. Graduate Assistant for statistics courses.

### Education

---

2018-2018 Data Scientist Fellow, The Data Incubator, **8-week Fully-funded Fellowship**  
2014-2016 M.S., M.A., Applied Statistics, Fordham University, **Presidential Scholarship**  
2011-2013 M.A., Statistics & Psychology, Columbia University, **Department Funding** and **6 National/Regional Awards**  
2005-2011 B.A., Psychology & Political Science, Baruch College, **Department Funding**  
2001-2005, The Bronx High School of Science