

# TONY JIANG

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## Education

- **Yale University** New Haven, CT  
*B.S., Computer Science & Mathematics* *May 2018 (Expected)*
  - Relevant coursework: Algorithms, Machine Learning & Data Mining, NLP, Spectral Graph Theory, Distributed Systems, Probabilistic Networks, Randomized Algorithms, Parallel Programming
- **Lynbrook High School** San Jose, CA  
*Valedictorian; Unweighted GPA: 4.0* *June 2014*
- **West Valley College & De Anza College** CA
  - *Multivariable Calculus, Differential Equations, & Linear Algebra — GPA: 4.0* *Dec. 2013*

## Work

- **Quora** Mountain View, CA  
*Data Science Intern* *May. 2017 – Aug. 2017*
  - Improved the machine learning algorithms for answer ranking in feed.
  - Tackled open-ended data research questions about user activity patterns.
- **Addepar** New York City, NY  
*Software Engineering Intern* *May. 2016 – Aug. 2016*
  - Wrote treasury data integration to provide accurate fixed income calculations for entire client base.
  - Reduced computational load on testing cluster by over **60%** and made tests up to **5x** faster.
  - Improved UI of internal data recon tool used to process all custodial data.
- **Google** Cambridge, MA  
*Software Engineering Intern* *May. 2015 – Aug. 2015*
  - Worked individually on the whole stack of google.com/flights adding new user-facing features.
  - Presented work to VP of Engineering.
  - Used core abstractions and technologies including MapReduce, Bigtable, and Protocol Buffers.

## Publications

- Lu Q., Li B., Ou D., Erlendsdottir M., Powles R., **Jiang T.**, Hu Y., Chang D., Jin C., Dai W., He Q., Liu Z., Mukherjee S., Crane P., Zhao H. (2017). A powerful approach to estimating annotation-stratified genetic covariance using GWAS summary statistics. *The American Journal of Human Genetics*, 101(6), 939-964.

## Selected Organizations

- **Yale University ACM-ICPC Team** *2015 – Present*
  - Team Captain
- **Yale Daily News** *2015 – Present*
  - Director of Web Development
- **Yale University Climbing Team** *2017–Present*
- **Yale University Ballroom Dance Team** *2014*

## Selected Awards and Achievements

- USA Computing Olympiad (USACO) – Gold Division *2013*
  - Highest honor of the competition at the time
- U.S. National Chemistry Olympiad - Honors Distinction (Top 150) *2013 & 2014*
- USA Physics Olympiad Semifinalist *2014*
- USA Biology Olympiad Semifinalist *2014*
- USA Junior Mathematical Olympiad (USAJMO) Qualifier *2011*

## Skills

**Languages:** Java, Python, C++, PHP, R, HTML/CSS, Bash scripting

**Software:** Git, MongoDB, L<sup>A</sup>T<sub>E</sub>X