

## Education

- 2014–now **Ph. D. in Computer Science**, *Columbia University*.  
Theory Group, coadvised by Daniel Hsu and Allison Bishop
- 2012–2014 **M. A. in Mathematics**, *University of Pennsylvania*.
- 2010–2014 **B. S. in Computer Science and Mathematics**, *University of Pennsylvania*.  
Magna Cum Laude. Honors in Mathematics

## Publications

Daniel Hsu, Kevin Shi, and Xiaorui Sun. Linear regression without correspondence. In *Advances in Neural Information Processing Systems 30*, 2017.

Alexandr Andoni, Daniel Hsu, Kevin Shi, and Xiaorui Sun. Correspondence retrieval. In *Proceedings of the 2017 Conference on Learning Theory*, 2017.

Jimmy Wang, Kevin Shi, Alan Stocker, and Daniel Lee. Optimal neural tuning for arbitrary stimulus priors. In *Computational and Systems Neuroscience*, 2012.

## Experience

### Research

- 01/2017– **Visiting graduate student**, *Simons Institute for the Theory of Computing*.  
04/2017 Program on Foundations of Machine Learning
- 05/2013– **Research intern**, *MIT Lincoln Laboratory*.  
08/2013 Designed feature extraction algorithms for time series obtained from radar. Gave group presentation and wrote internal paper
- 05/2012– **Summer intern**, *Penn Applied Algebraic Topology*, University of Pennsylvania.  
08/2012 Studied a sheaf-theoretic generalization of network flows
- 05/2011– **REU in Computational Neuroscience**, *Lee Lab*, University of Pennsylvania.  
08/2011 Studied population codes of spike trains using information-theoretic techniques

### Industry

- 05/2017– **Data science intern**, *Button*, New York City.  
08/2017 Researched and implemented models for adaptive anomaly detection in Python. Deployed models to process all production data in real time
- 05/2014– **Computer vision intern**, *Lily Robotics*.  
08/2014 Researched and implemented a vision-based people tracking system in C++ and OpenCV for use on a quadrotor platform. Used techniques from multiscale object detection, online machine learning, and sensor fusion

## Teaching

### Columbia University

- Fall 2016 **Programming and Problem Solving**, *Teaching Assistant*.
- Spring 2016 **Advanced Machine Learning**, *Teaching Assistant*.
- Fall 2015 **Algorithms for Massive Data**, *Teaching Assistant*.

### University of Pennsylvania

- Spring 2013 **Algorithms**, *Teaching Assistant*.
- Fall 2012 **Theory of Computation**, *Teaching Assistant*.

## Service

- 2017-now **Organizer**, *Data Science Institute Student Seminar*, Columbia University.
- 2016 **Organizer**, *Computer Science Department Coffee Hour*, Columbia University.
- 2012-2014 **Chair**, *Penn Undergraduate Math Society*, University of Pennsylvania.
- Reviewer**, *STOC 2016*, *JMLR 2016*.

## Technical skills

Proficient in Python (incl. NumPy, SciPy, Pandas), Matlab, Java  
Familiar with C++, OpenCV, SQL

**Company Recruitment team**

January 01, 1984

*Company, Inc.  
123 somestreet  
some city*

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ullamcorper neque sit amet lectus facilisis sed luctus nisl iaculis. Vivamus at neque arcu, sed tempor quam. Curabitur pharetra tincidunt tincidunt. Morbi volutpat feugiat mauris, quis tempor neque vehicula volutpat. Duis tristique justo vel massa fermentum accumsan. Mauris ante elit, feugiat vestibulum tempor eget, eleifend ac ipsum. Donec scelerisque lobortis ipsum eu vestibulum. Pellentesque vel massa at felis accumsan rhoncus.

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Albert Einstein discovered that  $e = mc^2$  in 1905.

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

Yours faithfully,

**Kevin Shi**

*Attached: curriculum vitae*

**Kevin Shi**

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