

# Daniel Li

University of California, Berkeley  
1 Soda Hall, Rm 626  
Berkeley, California 94709 U.S.A.

Phone: 949-923-8662

email: [li.daniel@berkeley.edu](mailto:li.daniel@berkeley.edu)

URL: <http://www.daniel-li.me>

Born: February 9, 1997—Beer-Sheva, Israel

Nationality: American/Chinese

## Current position(s)

*Research Assistant*, University of California, Berkeley.  
Pachter Group

*Research Assistant*, University of California, Berkeley  
Rao Group

## Research Interests

Machine Learning • Deep Learning • Computational Biology

## Positions held

- 2017s NEC Laboratories, Research Assistant
- Deep learning on memory recurrent networks and video action recognition.
  - Only *undergraduate* research assistant in Ph.D level work and in the accepted candidate pool
- 2016s Factual Inc, Software Engineering Intern
- Entity resolution of databases semantic similarity, clustering, and artificial neural networks
- 2012s, 2013s University of California, Irvine Calitz, Research & Development Intern

## Education

- 2017-2018 M.Sc. Electrical Engineering and Computer Science, University of California, Berkeley. *In progress*.
- 4.0/4.0 GPA
- 2014-2017 B.Sc. Electrical Engineering and Computer Science, University of California, Berkeley.
- 3.96/4.0 GPA Upper Division & Graduate Division
  - 3.65/4.0 GPA Cumulative

2011-2014 DIPLOMA. La Cañada High School  
• 4.7/4.0 GPA

## Honors & awards

2017 NVIDIA Grant – awarded Titan Xp GPU, University of California, Berkeley  
2016 Dean’s Honors – awarded to top 10% (3.9 GPA) of the class, University of California, Berkeley  
2014 MIT Think Award – awarded \$2,000, Massachusetts Institute of Technology  
2014 Summa Cum Laude – awarded to top 5% of graduating class

## Papers

2017 *Daniel Li, Asim Kadav. Adaptive Memory Networks, University of California, Berkeley, NEC Laboratories America. NIPS 2017 Workshop: Deep Learning at Supercomputer Scale.*  
Submitted *Daniel Li, Asim Kadav. Adaptive Memory Networks, University of California, Berkeley, NEC Laboratories America. Under review as a conference paper at ICLR.*  
In Progress *Daniel Li, Vasilis Ntranos. k-NN Based Denoising Autoencoder for Single Cell RNA Data Imputation, University of California, Berkeley.*

## Talks

2016s Li, Daniel, *Latent Dirichlet Allocation and Applications in Data Deduplication*, Factual Inc. June 9, 2016

## Relevant Skills

Proficient Programming Languages: Python • Java • R  
Mathematics: Calculus (integral, differential, vector, multivariable) • Discrete Mathematics

Competent Programming Languages: C • CSS • HTML • Android SDK development • Shiny • LISP/Clojure/Scheme • SQLite  
Mathematics: Statistics • Calculus (Lambda) • Probability theory • Algebra • (Partial) Differential Equations)

## Coursework

2\*\* DENOTES GRADUATE DIVISION

1\*\* DENOTES UPPER DIVISION

M.Sc.\*\* DENOTES TIME AS A M.Sc. STUDENT

B.Sc.\*\* DENOTES TIME AS A B.Sc. STUDENT

- M.Sc. FA 2017 *University of California, Berkeley*  
 (IP) Computer Science 294-134 – Beyond Worst Case Analysis  
 CS 294-131 – Deep Learning  
 CS 299 – Research Thesis under Professor Satish Rao
- B.Sc. SP 2017 *University of California, Berkeley*  
 Computer Science 270 – Combinatorial Algorithms & Data Structures  
 Computer Science 274 – Computational Geometry  
 Computer Science 294-131 – Special Topics in Deep Learning  
 Computer Science 194-131 – Designing Technology to Combat Violent Extremism  
 Electrical Engineering 16B – Designing Information Devices and Systems II  
 Industrial Engineering & Operations Research 192 – Entrepreneurship  
 Information 88A – Data and Ethics  
 Physics 49 – Thermodynamics  
 Computer Science 199 – Research under Professor Lior Pachter  
 Computer Science 199 – Research under Professor Satish Rao
- B.Sc. FA 2016 *University of California, Berkeley*  
 Computer Science 170 – Efficient Algorithms & Intractable Problems  
 Computer Science 194-26 – Computational Photography  
 Computer Science 294-128 – Algorithms and Uncertainty  
 Computer Science 199 – Research under Professor Lior Pachter  
 Computer Science 199 – Research under Professor Satish Rao
- B.Sc. SP 2016 *University of California, Berkeley*  
 Computer Science 61C – Machine Architectures  
 Computer Science C8 – Introduction to Data Science  
 Computer Science 160 – Human Computer Interaction  
 Computer Science 199 – Research under Professor Lior Pachter  
 College Writing 25AC – United States Education  
 College Writing 10A – Introduction to Public Speaking  
 College Writing 9C – Academic Writing
- B.Sc. FA 2015 *University of California, Berkeley*  
 Computer Science 70 – Discrete Mathematics & Probability Theory  
 Electrical Engineering 16A – Designing Information Devices and Systems I  
 Computer Science 199 – Research under Professor Lior Pachter  
 History 162A – Europe and the World: Wars, Empire, Nations 1648-1914
- B.Sc. SU 2015 *University of California, Berkeley*  
 Mathematics W53 – Multivariable Calculus
- California State University, Fullerton*  
 Physics 226 – Electricity & Magnetism  
 Physics 226L – Electricity & Magnetism Lab
- B.Sc. SP 2015 *University of California, Berkeley*  
 Mathematics 54 – Linear Algebra and Differential Equations  
 Computer Science 61B – Data Structures  
 Physics for Scientists and Engineers 7A – Mechanics  
 Education 190 – Critical Studies in Education

B.Sc. FA 2014

Computer Science 98 – Directed Group Study

*University of California, Berkeley*

Computer Science 61A – Structure and Interpretation of Computer Programs

Mathematics 1A – Calculus

Earth & Planetary Science C129 – Biometerology

Education 186AC – The Southern Border

Comparative Literature R1B – Comparative World Literature

Mechanical Engineering 98 – Directed Group Study

Last updated: November 21, 2017 • Typeset in Xe<sub>La</sub>TeX

<http://daniel-li.me/cv.pdf>