

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

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 <ul style="list-style-type: none">• Deep learning on memory recurrent networks and video action recognition.• Only <i>undergraduate</i> research assistant in Ph.D level work and in the accepted candidate pool |
| 2016s | Factual Inc, Software Engineering Intern <ul style="list-style-type: none">• 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. <i>In progress</i> . <ul style="list-style-type: none">• 4.0/4.0 GPA |
| 2014-2017 | B.Sc. Electrical Engineering and Computer Science, University of California, Berkeley. <ul style="list-style-type: none">• 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

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 (IP) *University of California, Berkeley*
 Computer Science 294-134 – Beyond Worst Case Analysis
 Math 215A – 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
Computer Science 98 — Directed Group Study

B.Sc. FA 2014

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: October 30, 2017 • Typeset in Xe_{La}TeX

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