

Daniel Li

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

Nationality: American/Chinese

Current Position(s)

Ph.D Researcher, Columbia University

- Use computer vision to generatively understand cell types
- Generative modeling for unrolling sequences in protein folding
- Graph neural networks for cell-cell interaction unsupervised representation learning

Co-Founder, General Industries Group

- Manage \$1.5M across various sectors
- Trading account (equities, options) of \$1M USD reaching 120% ROI YTD

Graduate Student Instructor, Columbia University

- Machine learning for functional genomics

Research Interests

Machine Learning • Deep Learning • Computational Biology

Positions Held

2020S	Research Intern @ Google Research <ul style="list-style-type: none">• Research in speech to speech models for on device translation
2019S	Researcher @ Memorial Sloan Kettering Cancer Center <ul style="list-style-type: none">• Research in cancer tumor biopsy images
2017-2019	Graduate Student Instructor @ UC Berkeley, Columbia University <ul style="list-style-type: none">• User Interface Design Machine Learning for Functional Genomics
2015-2018	Pachter Group @ UC Berkeley, Research Assistant <ul style="list-style-type: none">• Research in approaches to RNA-sequencing with features in abundance estimation, transcript annotation difficulties, differential expression

2016-2018	Rao Group @ UC Berkeley, Research Assistant <ul style="list-style-type: none"> Investigation on gene feature identification and accurate dimensionality reduction through recurrent memory autoencoders
2017S	Research Intern @ NEC Laboratories <ul style="list-style-type: none"> Deep learning on memory recurrent networks. First <i>undergraduate</i> research assistant in Ph.D level work
2016S	Software Engineering Intern @ Factual Inc <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

2018-IP	Ph.D. Computer Science, Columbia University. <i>2018-Present.</i>
2018-IP	M.Phil. Computer Science, Columbia University. <i>2018-Present.</i>
2017-2018	M.Sc. Electrical Engineering and Computer Science, University of California, Berkeley.
2014-2017	B.Sc. Electrical Engineering and Computer Science, University of California, Berkeley.
2011-2014	Diploma. La Cañada High School

Honors & awards

2019	Ph.D. Service Award – top 10% in service contributions
2018	ICLR Travel Grant – awarded to student presenter at ICLR 2018
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

2019	Daniel Li, Qiang Ma, Andrew Liu, Justin Cheung, Dana Pe'er, Itsik Pe'er. <i>Exploring Cellular Protein Localization Through Semantic Image Synthesis</i> . Columbia University, Google, Memorial Sloan Kettering Cancer Center.
2017	Daniel Li, Asim Kadav. <i>Adaptive Memory Networks</i> , University of California, Berkeley, NEC Laboratories America. <i>NIPS 2017 Workshop: Deep Learning at Supercomputer Scale</i> . <i>ICLR 2018 Workshop</i>

Talks

2016S	Li, Daniel, <i>Latent Dirichlet Allocation and Applications in Data Deduplication</i> , Factual Inc. June 9, 2016
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<http://daniel-li.me/cv.pdf>