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
• Graph neural networks for cell-cell interaction unsupervised classification

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

2019s
Research @ Memorial Sloan Kettering Cancer Center
• Research in cancer tumor biopsy images

2017-2019
Graduate Student Instructor @ UC Berkeley, Columbia University
• User Interface Design

2015-2018
Pachter Group @ UC Berkeley, Research Assistant
• Research in approaches to RNA-sequencing with features in abundance estimation, transcript annotation difficulties, differential expression

2016-2018
Rao Group @ UC Berkeley, Research Assistant
• Investigation on gene feature identification and accurate dimensionality reduction through recurrent memory autoencoders

2017s	NEC Laboratories, Research Assistant
	• Deep learning on memory recurrent networks.
	• First *undergraduate* research assistant in Ph.D level work
2016s	Factual Inc, Software Engineering Intern
	• Entity resolution of databases semantic similarity, clustering, and artificial neural networks
2012s, 2013s	University of California, Irvine Calit2, Research & Development Intern

Education

2018-IP	PH.D. Computer Science, Columbia University. *2018-Present.*
2018-IP	M.PHIL. Computer Science, Columbia University. *2018-Present.*
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. *Exploring Cellular Protein Localization Through Semantic Image Synthesis.* Under Review at ICLR 2020. Columbia University, Google, Memorial Sloan Kettering Cancer Center.
2017	*Daniel Li*, Asim Kadav. *Adaptive Memory Networks*, University of California, Berkeley, NEC Laboratories America. *NIPS 2017 Workshop: Deep Learning at Supercomputer Scale. ICLR 2018 Workshop*

Talks

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