# Daniel Li

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## Current Position(s)

2017-Present *Co-Founder (2)*, Unnamed Group
• **$2.0M** AUM with a **350% ROI** since inception.
• Various strategies and markets (equities, commodities, digital assets).

2018-Present *Limited Partner*, Dekrypt Capital
• Blockchain and privacy-preserving technologies Venture Capitalist firm.

2018-Present *Ph.D Researcher*, Columbia University, *Advisor: Itsik Pe'er*
• Expected graduation in May 2022.
• Transformers, GANs, deep learning and their applications to biology.
• Supervised 2 M.Sc. and 2 B.Sc. students and projects.

## Areas of Specialization

Machine Learning • Deep Learning • Computational Biology • Financial Markets

## Industry Positions

2020S *Research Intern*, Google Research
• Research in speech to speech models for on device translation

2019S *Researcher*, Memorial Sloan Kettering Cancer Center
• Research in cancer tumor biopsy images

2017-2019 *Graduate Student Instructor*, UC Berkeley and Columbia University
• User Interface Design & Machine Learning for Functional Genomics

2017S *Research Intern*, NEC Laboratories
• Deep learning on memory recurrent networks.
• First *undergraduate* research assistant in Ph.D level work

2016S *Software Engineering Intern*, Factual Inc (Foursquare)
• Entity resolution of databases semantic similarity, clustering, and artificial neural networks

## Research Positions

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

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

## Education

2018-Present Ph.D. *Computer Science*, Columbia University.
2018-2020 M.Phil. *Computer Science*, Columbia University.
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

## Publications

2020 **Daniel Li**, Te I, Naveen Arivazhagan, Colin Cherry, Dirk Padfield. *Sentence Boundary Augmentation For Neural Machine Translation Robustness.* Google Research. *Under Review at ICASSP 2021.*

**Daniel Li**, Qiang Ma, Jenny Chen, Andrew Liu, Justin Cheung, Yubin Xie, Herman Gudjonson, Dana Pe'er, Itsik Pe'er. *Counterfactual Hypothesis Testing of Tumor Microenvironment Scenarios Through Semantic Image Synthesis.* Columbia University, Google, Memorial Sloan Kettering Cancer Center. *Editorial Query to Nature Methods.*

2019 Justin M. Cheung, Hanan Baker, **Daniel Li**, Daniel Stor, Daniel A. Heller. *Abstract 1719: Drug-loaded porphyrin nanoparticles as a platform for targeted and photodynamic combination therapy.* Memorial Sloan Kettering Cancer Center. *American Association for Cancer Research.*

2017 **Daniel Li**, Asim Kadav. *Adaptive Memory Networks*, University of California, Berkeley, NEC Laboratories America. *NIPS 2017 Workshop: Deep Learning at Supercomputer Scale* and *ICLR 2018 Workshop.*

## Talks

2020 Li, Daniel, *A Simple Trick for Neural Machine Translation Segmentation Robustness*, Google Research. *August 18, 2020*

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

## Relevant Skills

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|---|---|
| Programming | Python, PyTorch, TensorFlow, Scikit-Learn, NumPy |
| Finance | Trading (equities, commodities, digital assets), Technical Analysis, Fundamental Analysis, Algorithmic Trading, Venture Capital (valuation, go to market, etc.) |
| Design/UI/UX | Figma, Ideation, Interviewing, Prototyping, Pitch Deck and Presentation Design |
| Miscellaneous | Public Speaking, Teaching, Firearms |

## Awards

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| 2019 | Ph.D. Service Award |
| 2018 | ICLR Travel Grant |
| 2017 | NVIDIA Grant |

## Selected Coursework

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|---|---|
| Theory | Algorithms & Uncertainty, Beyond Worse Case Analysis, Combinatorial Algorithms, Computational Geometry |
| AI/ML | Artificial Intelligence, Computer Vision, Graphical Models, Deep Learning |
| Applications | Machine Learning for Functional Genomics, Statistical Genomics, Computational Photography, User Interface Design and Development |
| Miscellaneous | Entrepreneurship, Cybersecurity Venture Capital, Data and Ethics, Public Speaking, U.S. Education Institutions, Critical Studies in Education, The Southern Border |