

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. *Neural Information Processing Systems 2017 Workshop: Deep Learning at Supercomputer Scale and International Conference on Learning Representations 2018 Workshop Track*.

Talks

- 2020 Li, Daniel, *A Simple Trick for Neural Machine Translation Segmentation Robustness*, Google. *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 Worst 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 |