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 capital 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 • Financial Markets • Computational Biology

Industry Positions

2020S *Research Intern*, Google Research
• Neural machine translation robustness for automatic speech recognition

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, Jennifer 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

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	Graphic Design (Figma, Omnigraffle), Ideation, Interviewing, Iterating and Prototyping, Pitch Deck and Presentation Design
Miscellaneous	Public Speaking, Teaching, Technical Writing, Firearms

Awards

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

Selected Coursework

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