Daniel Li

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Citizenship: United States of America

Current Position(s)

2022-present *09S Officer Candidate*, United States Army
• Active Duty, aspiring 11A Infantry

2017-Present *Co-Founder (2)*, Unnamed Capital Group
• **7 figure** (USD) accounts with a **400% ROI** since inception.
• Various strategies, instruments, and markets.

2018-Present *Limited Partner*, Dekrypt Capital
• Blockchain venture capital firm, **9 figure** (USD) AUM.
• Co-investors include a16z, Coinbase Ventures, Arrington XRP, 3AC.

2018-Present *Ph.D Candidate*, Columbia University
• Expected graduation in **July 2022**.
• Natural language processing and applications.
• Supervised 2 M.Sc. and 2 B.Sc. students and projects.

Areas of Specialization

Artificial Intelligence • Natural Language Processing • Financial Markets

Industry Positions

2021s *Research Intern*, Google Research @ *Cloud AI Translation*
• Confidence score calibration in multilingual quality estimation

2020s *Research Intern*, Google Research @ *Google Translate*
• Neural machine translation robustness for automatic speech recognition

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

2017s *Research Intern*, NEC Laboratories
• Deep learning on memory recurrent networks.

2016s   *Software Engineering Intern*, Factual Inc (Foursquare)
             • Fuzzy entity resolution of large scale databases

Academic Positions

2017-2020   *Graduate Student Instructor*, UC Berkeley and Columbia University
             • User Interface Design *&* Machine Learning for Functional Genomics

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 mem-
             ory autoencoders

Education

2018-2022   PH.D. *Computer Science*, Columbia University.
2018-2021   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

2022   **Daniel Li**, Thomas Chen, Albert Tung, Andrew Liu, Vivian Liu, Lydia Chilton. *Improving Com-
             pleteness, Accuracy, and Readability of Automatic Summarization for Longform Spoken Dialog.* Columbia
             University, Microsoft, Stanford University. *Under Review at UIST 2022.*

2021   **Daniel Li**, Junpei Zhou, Music Li Lydia Chilton. *Towards Practical Translation Quality Estimation
             in Bilingual Models.* Google, Columbia University. *In Preparation.*

             Daniel Li*, Thomas Chen*, Albert Tung, Lydia Chilton. *Hierarchical Summarization for Longform
             Spoken Dialog.* Columbia University, Microsoft, Stanford University. **UIST 2021**.

             Jennifer Chen, Faisal Ladhak, **Daniel Li** and Noémie Elhadad. *Incorporating Human Explanations
             for Robust Hate Speech Detection.* Columbia University. **ACL-IJCNLP 2021 Workshop**: *Under-
             standing Implicit and Underspecified Language.*

2020   **Daniel Li**, Te I, Naveen Arivazhagan, Colin Cherry, Dirk Padfield. *Sentence Boundary Augmenta-
             tion For Neural Machine Translation Robustness.* Google Research. **ICASSP 2021**.

             Daniel Li*, Jennifer Chen*, Qiang Ma, Andrew Liu, Justin Cheung, Yubin Xie, Herman Gudjon-
             son, 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. *Under Review at 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. **ICLR 2018 Workshop Track**.

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.), Risk *&* Compliance

Design/UI/UX   Graphic Design (Figma, Omnigraffle), Ideation, Interviewing, Iterating and Prototyping, Pitch Deck and Presentation Design, Typography

Miscellaneous   Public Speaking, *Actual* Attention to Detail, Teaching, Open Ended Research, Technical Writing

Awards

2020   Google Cloud Grant
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