

# Daniel Li

<http://daniel-li.me>  
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[redacted]

## Education

**Columbia University**  
Area in Computer Science  
Ph.D Fall 2018 - Fall 2022\*  
M.Phil Fall 2018 - Spring 2021  
**University of California, Berkeley**  
Area in Electrical Engineering  
Computer Science  
M.Sc Fall 2017 - Spring 2018  
B.Sc Fall 2014 - Spring 2017

## Skills

**Programming**  
Python : Java : R : LaTeX : HTML  
**Frameworks & Libraries**  
PyTorch : Tensorflow : NumPy  
**Mathematics & Statistics**  
Statistics : Algebra : Topology  
**Design & UI & UX**  
Figma : Prototyping

## Coursework

**Graduate Level**  
Algorithms & Uncertainty  
Beyond Worst Case Analysis  
Combinatorial Algorithms  
Computational Geometry  
Deep Learning  
Statistical Inference  
Biostatistics

## Awards & Misc.

Google Cloud Grant  
NVIDIA Grant  
ICLR Travel Award  
Dean's Honors  
CS:GO SMFC (2017)

## Industry Experience

**Unnamed Group** Fall 2017 : **Present**  
Co-Founder (total team size of 2)  
Securities Trading  
◦ Accounts (equities, options) of \$2.5M USD, 400% ROI since inception

**Google Research** Summer 2021  
Research Intern @ Cloud AI Translation  
Natural Language Processing  
◦ [Incoming Intern] Automatic quality estimation for translation methods

**Google Research** Summer 2020  
Research Intern @ Google Translate  
Natural Language Processing  
◦ Increased automatic speech recognition translation by +1 to +1.4 BLEU

**Memorial Sloan Kettering Cancer Center** Summer 2019  
Researcher @ Dana Pe'er Lab  
Computer Vision & Imaging  
◦ Computer vision techniques for analyzing and understanding tumor data

**NEC Research Institute** Summer, Fall 2017  
Research Intern  
Natural Language Processing  
◦ Research in adaptive memory networks with a focus on faster inference

**Factual Inc.** Summer 2016  
Software Engineering Intern  
Natural Language Processing  
◦ Worked on probabilistic deduplication, entity resolution, and record linkage

## Academic Experience

**NLP & HCI @ Columbia University** Fall 2020 : **Present**  
PhD Researcher @ {Chilton}  
Natural Language Processing  
◦ Dialogue summarization and applications

**CompBio @ UC-Berkeley, Columbia University** Fall 2016 : **Fall 2020**  
Research @ {Pe'er, Rao, Pachter}  
Machine Learning & Biology  
◦ Vision, language modeling on biological data

**TA @ UC-Berkeley, Columbia University** Fall 2017 : **Spring 2020**  
Graduate Student Instructor  
6 Semesters  
◦ Human Computer Interaction, Machine Learning for Functional Genomics

## Publications

Daniel Li, Te I, Naveen Ari, Colin Cherry, Dirk Padfield. *Sentence Boundary Augmentation for Neural Machine Translation Robustness*. ICASSP 2021

Daniel Li, Qiang Ma, Jenny Chen, Andrew Liu, ... , Itsik Pe'er. *Counterfactual Hypothesis Testing of Tumor Microenvironment Through Semantic Image Synthesis*. Under Review.

Daniel Li, Asim Kadav. *Adaptive Memory Networks*, NIPS 2017 Workshop: Deep Learning at Supercomputer Scale & ICLR 2018 Workshop