

Daniel Li

<http://daniel-li.me>
daniel.li@columbia.edu
[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

Co-Founder (total team size of 2)

- Accounts (equities, options) of \$2.5M USD, 400% ROI since inception

Fall 2017 : Present

Securities Trading

Google Research

Research Intern @ Cloud AI Translation

- [Incoming Intern] Automatic quality estimation for translation methods

Summer 2021

Natural Language Processing

Google Research

Research Intern @ Google Translate

- Increased automatic speech recognition translation by +1 to +1.4 BLEU

Summer 2020

Natural Language Processing

Memorial Sloan Kettering Cancer Center

Researcher @ Dana Pe'er Lab

- Computer vision techniques for analyzing and understanding tumor data

Summer 2019

Computer Vision & Imaging

NEC Research Institute

Research Intern

- Research in adaptive memory networks with a focus on faster inference

Summer, Fall 2017

Natural Language Processing

Factual Inc.

Software Engineering Intern

- Worked on probabilistic deduplication, entity resolution, and record linkage

Summer 2016

Natural Language Processing

Academic Experience

NLP & HCI @ Columbia University

PhD Researcher @ {Chilton}

- Dialogue summarization and applications

Fall 2020 : Present

Natural Language Processing

CompBio @ UC-Berkeley, Columbia University

Research @ {Pe'er, Rao, Pachter}

Fall 2016 : Fall 2020

Machine Learning & Biology

TA @ UC-Berkeley, Columbia University

Graduate Student Instructor

Fall 2017 : Spring 2020

6 Semesters

Publications

Daniel Li*, Thomas Chen*, Albert Tung, Lydia Chilton. *Controlled Hierarchical Summarization for Longform Spoken Dialog*. **Under Review at UIST 2021**

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, ... , Itzik 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**