

Daniel Li

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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)
○ Accounts (equities, options) of \$2.0M USD, 350% ROI since inception
Securities Trading
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, ... , 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