Daniel Li

http://daniel-li.me
daniel.li@columbia.edu
949.923.8662

Education

Columbia University Fall '18 - IP
Ph.D in Computer Science
M.Phil in Computer Science
Area in Machine Learning & Computational Biology
UC - Berkeley Fall '17 - Spring '18
M.Sc. in Electrical Engineering Computer Science
UC - Berkeley Fall '14 - Spring '17
B.Sc. in Electrical Engineering Computer Science

Skills

Programming
Python : Java : R : LaTeX : HTML
Frameworks | Libraries | Misc.
PyTorch : Tensorflow : NumPy : SKLearn : Git
Mathematics & Statistics
Statistics : Algebra : Topology

Coursework

Graduate
Algorithms & Uncertainty
Beyond Worse Case Analysis
Combinatorial Algorithms
Computational Geometry
Deep Learning
Statistical Inference
Biostatistics

Awards

NVIDIA Grant
ICLR Travel Award
Dean's Honors
MIT Think Award

Research Experience

Pe'er Group @ Columbia University   Fall 2018 : **Present**
Researcher
- Use image synthesis for contextual generation of cells to understand cell-cell interactions at a subcellular resolution

{Pachter, Rao} Group @ UC - Berkeley   Fall 2015 : **Spring 2018**
Research Assistant
- Research in approaches to RNA-sequencing
- Investigation on gene feature identification and dimensionality reduction

Industry Experience

Google Research   Summer **2020**
Research Intern
- Increased automatic speech recognition translation models by +1 to +1.4 BLEU points, to be submitted at a conference
- Investigated multilingual translation models using SOTA English classifiers

Memorial Sloan Kettering Cancer Center   Summer **2019**
Researcher
- Computer vision techniques for analyzing and understanding tumor data

General Industries Group   Fall 2017 : **Fall 2018**
Co-Founder (2)
- Trading account (equities, options) of **$1M USD** reaching **120%** ROI YTD

NEC Research Institute   Summer, Fall **2017**
Research Intern
- Research in adaptive memory networks with a focus on faster inference.

Factual Inc.   Summer **2016**
Software Engineering Intern
- Worked on probabilistic deduplication, entity resolution, and record linkage

Teaching Experience

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. *A Simple Trick for Neural Machine Translation Endpointer Robustness*. **In Progress**

- **Daniel Li**, Qiang Ma, Andrew Liu, Justin Cheung, Itsik Pe'er. *Exploring Cellular Protein Distributions Through Semantic Image Synthesis*

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