Daniel Li

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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
PyTorch : Tensorflow : NumPy
Mathematics & Statistics
Statistics : Algebra : Topology
Design & UI & UX
Figma : Prototyping

Coursework

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

Awards & Misc.

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

Research Experience

Pe'er Group @ Columbia University   Fall 2018 : **Present**
Researcher   Machine Learning & Biology
- ○ Transformers, GANs, deep learning and their applications to biology

{Pachter, Rao} Group @ UC - Berkeley   Fall 2015 : **Spring 2018**
Research Assistant   Machine Learning & Biology
- ○ Investigation on gene feature identification and dimensionality reduction

Industry Experience

General Industries Group   Fall 2017 : **Present**
Co-Founder (total team size of 2)   Securities Trading, Consulting
- ○ Trading accounts (equities, options) of **$2M USD** reaching **120%** ROI 2019
- ○ Topics from data privacy, healthcare, blockchain, algorithmic trading

Google Research   Summer **2020**
Research Intern   Natural Language Processing
- ○ Increased automatic speech recognition translation by +1 to +1.4 BLEU
- ○ Investigated multilingual translation models using SOTA English classifiers

Memorial Sloan Kettering Cancer Center   Summer **2019**
Researcher   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

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.* In Submission

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