

Daniel Li

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Education

Columbia University Fall '18 - IP

P.hD in Computer Science
Area in Machine Learning &
Computational Biology

UC - Berkeley Fall '17 - Spring '18

M.Sc. in Electrical Engineering
Computer Science

GPA : 3.85/4.0

UC - Berkeley Fall '14 - Spring '17

B.Sc. in Electrical Engineering
Computer Science

GPA : 3.96/4.0 UD/GD Tech.
3.65/4.0 Cumulative

Skills

Programming

Python : Java : R : LaTeX : HTML

Frameworks | Libraries | Misc.

PyTorch : Tensorflow : NumPy :

SKLearn : Git/VCS : Hadoop

Mathematics & Statistics

Statistics : Algebra : Topology

Coursework

Graduate

Algorithms & Uncertainty

Beyond Worst Case Analysis

Combinatorial Algorithms

Computational Geometry

Deep Learning

Statistical Inference

Biostatistics

Awards

NVIDIA Grant

Dean's Honors

MIT Think Award

Research Experience

Pachter Group @ UC - Berkeley

Fall 2015 : Present

Research Assistant

- Research in approaches to RNA-sequencing with features in abundance estimation, transcript annotation difficulties, differential expression

Rao Group @ UC - Berkeley

Fall 2016 : Present

Research Assistant

- Investigation on gene feature identification and accurate dimensionality reduction through recurrent memory autoencoders

Industry Experience

Alpha Echelon Group

Fall 2017 : Present

Co-Founder (4), Managing Partner

- Manage **\$6M USD** in various sectors and perform general contracting work with projected Q1 2018 revenue at **\$3M USD**

NEC Research Institute

Summer, Fall 2017

Research Scientist Intern

- Research in adaptive memory networks with a focus in faster inference. Currently under submission for **ICLR '18**
- First undergraduate** researcher in Ph.D level work

Factual Inc.

Summer 2016

Software Engineering Intern

- Worked on probabilistic deduplication, entity resolution, and record linkage using Latent Dirichlet Allocation and non-parametric Bayesian inference

Teaching Experience

CS 160 HCI @ UC - Berkeley

Fall 2017 : Present

Graduate Student Instructor

- Create content and lead section discussion group of 30 students on a weekly basis
- Hold office hours and grade student work

Research Projects

scRNA - NET

Python

- Designed specialized autoencoder architectures to correct scRNA (single cell RNA sequenced data) data corruption
- Received** NVIDIA Grant

Publications

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