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 | Misc.
PyTorch : Tensorflow : NumPy : SKLearn : Git/VCS : Hadoop
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 — Spring 2018 : **Present**
Research Assistant
- Use probabilistic methods and computer vision to detect and classify cell types
- Joint collaboration with Memorial Sloan Kettering Cancer Center

Pachter Group @ UC - Berkeley — Fall 2015 : **Spring 2018**
Research Assistant
- Research in approaches to RNA-sequencing with features in abundance estimation, transcript annotation difficulties, differential expression

Rao Group @ UC - Berkeley — Fall 2016 : **Spring 2018**
Research Assistant
- Investigation on gene feature identification and accurate dimensionality reduction through recurrent memory autoencoders

Industry Experience

General Industries Group — Fall 2017 **: Present**
Co-Founder (3), Managing Partner
- Manage **$6M USD** in various sectors and perform general contracting work

NEC Research Institute — Summer, Fall **2017**
Research Scientist Intern
- Research in adaptive memory networks with a focus in faster inference. Workshop acceptance for **ICLR '18** and **NIPS 2017**
- **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

Publications

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