Daniel Li

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Education (4)

Columbia University Fall '18 - IP
P.hD 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 (3)

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

Coursework (7)

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

Awards (4)

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

Research Experience (3)

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 (3)

General Industries 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. 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 (1)

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 (2)

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