

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. workshop paper for **nips '17 & 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