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