daniel li

http://daniel-li.me
li.daniel@berkeley.edu
949.923.8662

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 worst 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 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 (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