Kevin Ye

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Seeking full time positions starting Summer 2018.

Experience

E8 Security
Software Engineering Intern
06/2017 – Present

Developed automated metrics to evaluate performance of and verify machine learning models. Refactored, maintained and developed features for test data generation framework.

eBay Inc.
Software Engineering Intern
06/2016 – 09/2016

Implemented proof-of-concept of cross-cluster big data applications with Apache Spark that accessed HBase tables and Hive metastore from a computation-only cluster.

CS2 (Data Structures/Algorithms) TA
01/2016 – 04/2017

Average rating of 4.9/5.0 over two years. Held office hours, graded homework, delivered recitations on sorting, graph, MST algorithms.

OpenX Technologies
Quality Assurance Intern
06/2015 – 09/2015

Created Python suite to automate loading of ad tags and generate ad load time pivot tables used to communicate with company clients (i.e. Casale Media).

Keysight Technologies
Software Engineer Intern
06/2014 – 09/2014

Authored unit tests in C++ with the Google Testing Framework and Python function wrappers with Boost Python library to test Data Analysis and Visualization tools.

Education

California Institute of Technology '18
BS Computer Science; GPA: 3.5

In Progress: Bayesian Data Analysis, Operating Systems, Distributed Computing

Relevant Courses:
Machine Learning Data Mining, Learning Systems, Relational Database Implementation, Algorithms, Communication Networks, Computing Systems, Functional Programming

Projects

Caltech Mock Netflix Competition: Movie rating generation with machine learning models, including SVD, RBM, kNN, Neural Networks and blending.

eBay Shopping Assistant: 3rd Place Finish at eBay's Internal Hackathon. Leveraged Amazon Echo and eBay Search API to display real-time results.

$martwater: Winner of Innovate Pasadena's Summer "Hack for Water". Created a rebate and water savings calculator for purchasing water-efficient appliances.

Languages

Strong: C/C++, Python
Intermediate: Java
Muscle Memory: Haskell, HTML/CSS/JS, OCaml

Tools and Frameworks

Data: Hadoop, Spark, SQL, Parquet/Hive/HBase
Machine Learning: sklearn, scipy, Keras, NLTK
Repo Management: Git

Hobbies

Volleyball: Club team played in the Open Division at USA Volleyball Junior Nationals. Student assistant coach at Caltech.

Music: Classical/Pops Violinist, barbershop/all-male-a cappella singer. Keytones Musical Director (Caltech)