

Kevin Ye

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kye308.github.io

<https://github.com/kye308>

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)

