

Education

- **Brandeis University** Waltham, MA
 - *B.S. in Computer Science and Mathematics; GPA:3.79* Jan 2017
 - Scholarships: Giumette Academic Achievement Award, Henry F. Fischbach Scholarship
 - Key Courses: Modern Database Systems, Distributed Systems, Statistical Approaches to NLP

Experience

- **HubSpot** Cambridge, MA
 - *Software Engineer - Big Data Team* Jan 2017 – Present
 - Write new HBase features and patch existing bugs
 - Wrote and open-sourced new HBase load balancer to remove table skew (HBASE-17707)
- **Brandeis University Computer Science Department** Waltham, MA
 - *Undergraduate Teaching Assistant* Nov 2013 – Present
 - Statistical Approaches to Natural Language Processing
 - Database Management Systems
- **Square** San Francisco, CA
 - *Software Engineering Intern – Register Experience* May 2016 – August 2016
 - Work on Java/Ruby/Go web back-end of Register app
 - Built search functionality for EMV cards and tap-to-pay methods
 - Designed and implemented custom-made QR-like code reader
- **KAYAK** Concord, MA
 - *Software Engineering Intern – Accuracy Team* May 2015 – Aug 2015
 - Built Java web scraper services to verify car rental prices
- **HP Vertica** Cambridge, MA
 - *Software Engineering Intern – SQL Optimizer Team* May 2014 – Aug 2014
 - Designed, implemented, and filed a patent for several optimizations surrounding the propagation and preservation of uniqueness of sets of attributes in a given query
- **Draper Laboratories** Cambridge, MA
 - *Systems Test and Integration Intern* Jun 2013 – Aug 2013
 - Automated analysis for large data sets with VBA

Projects

- **SQL Query Optimization Patent** PCT/US2015/023044
 - *Optimizing unique attributes* October 2016
 - Read details at <https://kahlil.me/unique-attributes>
- **Well-Versed Chrome Extension** Dartmouth College
 - *3rd place at HackDartmouth II* October 2015
 - Read details at <https://devpost.com/software/well-versed>
- **<https://kahlil.me>**
 - *Personal website / tech blog*
 - Write articles/guides about cool new technologies and/or projects I work on

Skills

Programming Languages: Java, Go, Python, Javascript, Ruby, C/C++, SQL, Bash, Scheme

Technologies: HBase, HDFS, Grpc, Guice, Mockito, Node.js, MapReduce, Mallet