

## Education

- **Brandeis University** Waltham, MA
  - *B.S. in Computer Science and Mathematics; GPA:3.79* Jan 2017
    - Honors: Phi Beta Kappa, 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 and implemented new features in the Vertica query optimizer
- **Draper Laboratories** Cambridge, MA
  - *Systems Test and Integration Intern* Jun 2013 – Aug 2013
    - Automated analysis and anomaly detection for large data sets with VBA

## Projects

- **HBase load balancer open-source contributions** June 2017
  - *Presenting at HBaseCon 2017 on rewriting key components of the load balancer*
- **SQL Query Optimization Patent (PCT/US2015/023044)** October 2016
  - *Read details at <https://kahlil.me/unique-attributes>*
- **Well-Versed Chrome Extension** October 2015
  - *Won third place at HackDartmouth II (details at <https://devpost.com/software/well-versed>)*
- **<https://kahlil.me>** Technical blog
  - *Write about current and past technical projects*

## Skills

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

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