

Kahlil Oppenheimer

New York, NY

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<https://kahlil.me>

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, Natural Language Processing

Experience

- **Spotify** New York, NY
Software Engineer II - Cost Engineering May 2020 – Present
 - Owned the backend of Cost Insights – Spotify's developer portal for understanding cloud cost
 - Built real-time cloud cost alerting framework using statistical anomaly detection
- **Google** Cambridge, MA
Software Engineer III (L4) - Search Jul 2018 – May 2020
 - Designed and implemented backend features to support users' multi-day search journeys
 - Built numerous backend features for Google collections (<https://google.com/save>)
- **HubSpot** Cambridge, MA
Senior Software Engineer - Big Data Team Jan 2017 – May 2018
 - Provided reliable, easy-to-use HBase as a service to HubSpot engineers
 - Maintained 99.99% uptime in all HBase clusters through server patches and external orchestration logic
- **Brandeis University Computer Science Department** Waltham, MA
Undergraduate Teaching Assistant Nov 2013 – Dec 2016
 - Database Management Systems & Statistical Approaches to Natural Language Processing
- **Square** San Francisco, CA
Software Engineering Intern – Register Experience May 2016 – Aug 2016
 - Implemented search functionality for chip cards and tap-to-pay methods
- **KAYAK** Concord, MA
Software Engineering Intern – Accuracy Team May 2015 – Aug 2015
 - Architected Java web scraper service to verify car rental prices
- **HP Vertica** Cambridge, MA
Software Engineering Intern – SQL Optimizer Team May 2014 – Aug 2014
 - Designed, implemented, and patented new optimizations in the Vertica query optimizer

Projects

- **Java Ray Tracer** Ongoing
Built a computer graphics ray tracer in Java from scratch.
- **HBaseCon presentation on open-source load balancer contributions** Jun 2017
See details at <https://www.kahlil.me/hbase-balancer/>
- **SQL Query Optimization Patent (PCT/US2015/023044)** Oct 2016
See details at <https://kahlil.me/unique-attributes>
- **Well-Versed Chrome Extension** Oct 2015
Won third place at HackDartmouth II (details at <https://devpost.com/software/well-versed>)

Skills

Programming Languages: Java, Scala, Python, JavaScript, SQL, Bash

Technologies: GRPC, HBase/Bigtable, BigQuery, Protocol Buffers, HDFS, Zookeeper