

# 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

- **Stripe** New York, NY  
*Software Engineer - Capital* Oct 2021 – Present
  - Created APIs and tooling to allow platform businesses to offer financing to their sub-businesses
  - Designed and built a revenue share system to track/manage/payout hundreds of thousands of dollars per month
  - Launched a one-click self-serve on-boarding flow for our distributed lending product
- **Spotify** New York, NY  
*Software Engineer II - Cost Engineering* May 2020 – Oct 2021
  - 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>*

## Skills

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

**Technologies:** GRPC, HBase/Bigtable, React JS, Protocol Buffers, HDFS, Zookeeper, Kafka