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
  - Led team to launch a completely self-serve version of our complex 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