

Sanchay Javeria

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EDUCATION **University of Illinois, Urbana-Champaign** *December 2018*
Bachelor's & Master's in Computer Science

- GPA (undergrad): 3.59/4.0, GPA (grad): 3.91/4.0
- Dean's List: Fall 2016, Spring 2017
- Relevant coursework: Algorithms, Algorithms II, Text Informatics, Web Programming, Database Systems, Distributed Systems

EXPERIENCE **Software Engineer, Big Data Platform, Pinterest** *March 2019 - Current*

- Owner of query submission pipelines for SparkSQL and Hive at Pinterest.
- Worked on initial groundwork for adhoc and production pipelines and later on Hive to SparkSQL migration which saved **\$3.96M** in cumulative annualized YTD savings: **\$2.88M** through SparkSQL migration, **\$1.08M** through Hive deprecation.
- Enabled **1.9x** query runtime-weighted speed-up, **1.07x** speed-up on average.

Software Engineering Intern, Pinterest *May 2018 - Aug. 2018*

- Implemented table lineage in the Hive Metastore to expose the source jobs and workflow for tables in the hive catalog. Presented a one-minute demo in the company all hands.

Software Engineering Intern, Yahoo! Inc. *June 2017 - Aug. 2017*

- Added **GraphQL** support to Elide, library to build **JSON API** using JPA annotations. My work was released with Elide v4.0.

Teaching Assistant, University of Illinois *Jan. 2017 - May 2018*

- Teaching assistant for Signal Processing (CS598PS), Software Design Studio (CS126), Art of Web Programming (CS498RK) and Programming Studio (CS242).

PROJECTS **Sava: distributed graph processing system** *Fall 2017*

- Built a **pregel** like graph processing system in **Golang** with two applications: **PageRank** and shortest path using **Bellman-Ford**.
- Follows a one client/multiple server architecture offering fault tolerance of upto 4 nodes (including master).

SDFS: simple distributed file system *Fall 2017*

- Wrote a simple P2P distributed file system, implemented in Golang using TCP to enable file upload, save, delete and edit.
- Follows a ring based file replication format using timed heartbeating.

Magpie: Lost and found portal for UIUC *Fall 2016*

- Wrote the client-side of the application in **Angular**. Wrote user-auth with passport.js and assisted making the REST API using **Express** and **Mongoose**.

TECHNICAL SKILLS *Programming Languages:* Golang, Java, JavaScript, Python, C++
Web Backend Technologies: NodeJS, Express, MongoDB, MySQL, Heroku
Web Frontend Technologies: React, Angular, CSS/SASS, Gulp, Bower
Testing: Mocha/Chai, JUnit, TestNG, PyUnit

TECHNICAL PAPERS Aaron Klish, Dan Chen, Dennis McWherter, Clay Jensen-Reimann, William Cekan, Sanchay Javeria (June 2017) "**GraphQL vs. JSON-API**", Yahoo! Techpulse 2017.