Sanchay Javeria

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EDUCATION

University of Illinois, Urbana-Champaign *Expected - Dec. 2018*
Master's & Bachelor's degree, Computer Science

- GPA: 3.62/4.0
- Dean's List: Fall 2016, Spring 2017
- Relevant coursework: Algorithms (CS 374), Algorithms II (CS 473), Text Informatics (CS 410), Web Programming (CS 498rk), Database Systems (CS 411), Graphics (CS418), Distributed Systems (CS425).

EXPERIENCE

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

- Added **GraphQL** support to Elide.io, Yahoo's OSP to help standup a **JSON API** in **Java** using JPA annotated java beans.
- Implemented the data fetching environment for user queries and mutations for fetching, replacing, deleting and modifying records in the data store.
- Improved latency by using filter expressions to minimize **SQL** queries to the Hibernate data-store.
- Wrote unit tests and integration tests using **JUnit** and **testNG**.

Teaching Assistant, CS498RK - Web Programming *Aug. 2017 - Present*

- Held office hours, answered student questions on piazza and helped in writing machine problems for students.

Teaching Assistant, CS242 - Programming Studio *Jan. 2017 - Present*

- Mentored and graded students throughout the course on code smells, unit testing and best programming practices.

PROJECTS

Nut: Encrypted Chat-room *Spring 2017*

- Worked in a team of four to build a SHA-2 encrypted chat-room using **socket.io**, **node.js**, **express.js** and **semanticUI**.
- Users can create or join existing chat-rooms using 2FA.

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**.
- Chosen as best final project for Web Programming at research park competition.

Delone: food meet-up web app (MHacks '16) *Fall 2016*

- Wrote an SPA using the **MEAN** Stack which enables users to post and attend food events and interactively visualize post response data using **Highcharts**.
- Offered variety of features including live push notifications and calendar exports.

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.