

# Raayan Pillai

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## CONTACT INFORMATION

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GitHub: <https://github.com/raayanpillai>

## EDUCATION

**University of Rochester**, Rochester, NY

*B.S., Computer Science*

**Sep 2014 – May 2018**

## PROFESSIONAL EXPERIENCE

**Goldman Sachs**, New York, NY

*Technology Analyst*

**Jul 2018 – present**

Software engineer for the Investment Banking Division. Notable projects include:

- Worked on internal platform for syndication bankers to execute deals. Used React for the front-end and a Java back-end.
- Planned and developed a system for a consortium of investment banks to communicate deal and order information between each other and investors. Used Java for backed and FIX protocol for communication.
- Reduced weekly-maintenance downtime by reorganizing microservice reboot sequence.

**Goldman Sachs**, New York, NY

*Summer Technology Analyst*

**May 2017 – Aug 2017**

Replaced monthly private wealth management (PWM) performance report, requiring 4-5 hours of manual calculation, with a daily updated dashboard. Achieved by integrating lending (mortgage and loan) data and relevant key-performance-indicators into QlikView dashboards. Created daily processes to execute SQL queries on separate Sybase databases then flatten and join the data in the firm's proprietary language (SLang).

**FINRA**, Rockville, MD

*Technology Intern*

**May 2016 – Aug 2016**

Implemented fuzzy string matching algorithms, such as Jaro-Winkler, into data ingestion systems to better align data. Developed an web-service to normalize addresses relating to financial representatives and firms using the fuzzy string retrieval systems, public geocoding APIs and a Flask back-end.

**Bellhapp**, Seattle, WA

*Remote Developer*

**May 2015 – Oct 2017**

Developed for a software startup trying to automate the service aspect of the food industry, based out of Seattle. Setup a database infrastructure to interact with our client software. Created web-applications for customers, employees, and restaraunts to interact with each other, as well as analytics dashboards.

## INDEPENDENT PROJECTS

**redcloud**, Rochester, NY

*Trading Engine for Cryptocurrencies*

**Feb 2017 – May 2018**

Implemented strategies into a Java based engine, which analyzed WebSocket and REST interfaces, to execute trading strategies between different cryptocurrency exchanges. Maintained network statistics to reduce risk related to exchange stability. Actually made some profit exploiting arbitrage opportunities.

## PROGRAMMING EXPERIENCE

*Languages:* Java, Python, C++, C, CUDA, L<sup>A</sup>T<sub>E</sub>X

*Technologies:* Spring, Hibernate/JPA, QuickFix/J, Sybase, SQL, MongoDB