

# Raayan Pillai

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## CONTACT INFORMATION

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## EDUCATION

**University of Rochester**, Rochester, NY

*B.S., Computer Science*

**Sep 2014 – May 2018**

## PROFESSIONAL EXPERIENCE

**Goldman Sachs**, New York, NY

*Analyst*

**Jul 2018 – present**

Full stack 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 the application and FIX protocol for communication.

**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 database retrieval systems to align data. Developed an internal web-service to normalize addresses relating to financial representatives and firms using the fuzzy string retrieval systems and many public geocoding APIs and a Flask back-end.

**Bellhapp**, Seattle, WA

*Remote Developer*

**May 2015 – Oct 2017**

Developed for a web and 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 restaurants to interact with each other, as well as analytics dashboards.

## INDEPENDENT PROJECTS

**redcloud**, Rochester, NY

*Market-making Engine for Cryptocurrencies*

**Feb 2017 – May 2018**

Implemented market-making strategies into a Java based engine, which analyzed WebSocket and REST interfaces, to look for price differentials between different cryptocurrency exchanges. Made automated trades for a delta of 0.5% on multiple occasions resulting in profits at a marginal risk factor.

## PROGRAMMING EXPERIENCE

*Languages:* Java, Python, C++, C, CUDA,  $\text{\LaTeX}$

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