JAI SINGH SRA

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SUMMARY

Highly driven software engineer with 2+ years of work experience with Python and Java at leading investment banks. Looking to get involved in and learn about state-of-the-art NLP research with hands on experience.

EDUCATION

May 2015 - Jun 2019

B.Eng in *Computer Science* **The Hong Kong University of Science and Technology**
GPA 3.7

Aug 2017 - Dec 2017

Exchange Program **University of Pennsylvania**

EXPERIENCE

Jun 2019 - Present

GOLDMAN SACHS
Analyst [Marquee Strats]
- Worked on a Vertx based RESTful data service deployed on AWS using ElasticSearch and an in-house timeseries database
- Improved client satisfaction by implementing data quality checking and alerting infrastructure
- Improved adoption of API amongst non-technical users by exposing Python client via Excel
- Set up infrastructure to migrate TBs of data between instances of a KDB-like database
- Managed and mentored Summer Analyst in team

Jun 2018 - Aug 2018

Summer Analyst [SecDB Architecture]
- Benchmarked cross-WAN streaming performance of various message queues and databases for binary objects
- Configured and worked with Datomic, Apache Cassandra, Tibco Rendezvous and Apache Ignite

Feb 2018 - May 2018

SOCIETE GENERALE
Software Engineer Intern [Equity Delta One]
- Migrated existing codebase onto Docker and created CI pipeline with Jenkins and Docker Swarm
- Increased system resiliency by using Hystrix to gracefully handle errors from downstream microservices
- Worked on production grade CQRS application running on Java Springboot

Jun 2017 - Aug 2017

SET SAIL SOFTWARE
Natural Language Processing Intern
- Built chatbot to answer FAQs as an ensemble classifier
- Built and deployed an API interface for the ML models to EC2
- Developed technical NLP skills in NLTK, SK Learn, Jieba and Flask libraries for Python

PROJECTS

Sep 2017 - Dec 2017

Computational Electrophysiology *UPENN*
- Conducted statistical analysis on over 1TB of EEG data of subjects undergoing memory experiments to predict whether a piece of information will be successfully recalled later
- Analysis included computing ERPs, Fourier and Wavelet transformations, and regression models in Python

Feb 2017 - May 2017

Natural Language Processing *HKUST*
- Used unsupervised topic models like LDA to extract categories from raw text in Mandarin

VOLUNTEER

Feb 2020 - Feb 2021

Co-Captain **New Analyst and Intern Committee** *GOLDMAN SACHS*
- Organized social and professional events for incoming summer analysts
- Coordinated tasks across committee members and efforts in other regions