

Hasan Intisar

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Skills

TECHNOLOGY

- Proficient in Java, SQL (Oracle/MySQL/MariaDB), Python, Shell
- Experience with FIX Protocol, TCP/UDP, HTTP/REST, DNS, OSI Network Stack
- Knowledge of Linux/Windows environments, RAID, bare metal/virtualization/containerization pros/cons
- Familiar with VC/Git, Unit Testing/TDD, SSH, C++

FINANCE

- Experience building software for various fixed income products (credit, sovereign, IRS, CDS, etc)
- Comprehension of cash flow structure from equities, fixed income, and simple derivatives
- Utilization of technical and fundamental financial statement analysis to evaluate investment opportunities

DATA ANALYSIS

- Experience creating/querying/maintaining various database systems
- Creation of dashboards that have directly actionable insight
- Familiarity data modeling financial, operational, and performance data

Work Experience

DEUTSCHE BANK | SOFTWARE ENGINEER | JULY 2019 - PRESENT

- Technology Utilized: Java / Linux / FIX Protocol / Python / Shell
- Works directly with business stakeholders to identify improvements to front office trading applications
- Primarily server side development including market connections, order management systems, and pricing systems
- Utilizes scripting to aid investigation of live incidents

NEW JERSEY INSTITUTE OF TECHNOLOGY | STUDENT SOFTWARE ENGINEER | SEPTEMBER 2018 - JULY 2019

- Technology Utilized: NodeJS / Express, MySQL, JWT (Authentication), Linux/Bash
- Participated in project to design, implement, and maintain an access control system for the NJIT Makerspace
- Designed, created, and maintained the database, backend API, and middleware
- Created reports on usage data to gather insight for future planning and day to day operation

DEUTSCHE BANK | TECHNOLOGY ANALYST INTERN | JUNE 2018 - AUGUST 2018

- Worked in client onboarding technology supporting the Know Your Client process
- Investigated information required for dashboards to provide operational insight

UNITED PARCEL SERVICE (UPS) | CAPACITY & PERFORMANCE DATA ANALYST INTERN | JUNE 2017-MARCH 2018

- Technology Utilized: Power BI (DAX / PowerQuery), Python
- Automated legacy manual processes to remove the potential for error and increase efficiency
- End to end involvement from client consultation, data engineering, to system maintenance

Personal Projects

ALGORITHMIC CRYPTOCURRENCY TRADING SYSTEM

- Technology utilized: Python, HTTP/REST, Websocket / C++
- Created a system to get market data (Websocket API), perform analysis, and place trades (HTTP/REST API)

MULTI PROCESS/THREAD BENCHMARKING

- Technology utilized: Python (Threading / Multiprocessing)
- Benchmarked differences in performance when code is designed to run on a single thread, multiple threads, and multiple processes

PERSONAL SERVER

- Run multiple personal Linux hosts with git server, network attached storage, and containerization sandbox

Education

BACHELORS OF SCIENCE IN COMPUTER SCIENCE | SEPTEMBER 2015-MAY 2019 | NEW JERSEY INSTITUTE OF TECHNOLOGY

- Performed Quantitative Stock Selection Research (Python / Pandas / Numpy) under Dr. Zhi Wei
- Overall 3.73 / 4.00 GPA
- Member of Albert Dorman Honors College