HUI (TY) ZHAO

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EDUCATION

Queens College of the City University of New York   June 2019 (Expected)

B.A. in Computer Science

Courses: Design & Analysis Algorithms, Internet Technologies, Numerical Methods, Operating Systems, Distributed Systems, Database, Software Engineering, Web Programming, Theory of Computation, Computer Architecture

SKILLS

Programming Languages: Java, C, C++, Python, SQL

Web Applications: Html, Css, Javascript, Typescript, SQL, mySQL, Json, Ajax, Xml, Jquery, PHP, Git

Language: English (Fluent), Mandurian (Native)

PROJECTS & RESEARCH

SKU sale trend dashboard | Louis Vuitton | New York   Jan2019 - Present

Designed/Coded/Customized a PowerBI dashboard that predicts slow sellers:

- Filtered out 700+ seasonal leather goods launched after 2018 with comprehensive descriptions of various attributes
- Redesigned SQL server database of 0.2 Billion sales histories into four tables (store, SKU, sales, stock) with primary/foreign key relationships to improve data accessibility and reduce storage space
- Clustered SKUs into best, mid and slow sellers by calculating monthly sales and inventory quantities from integrated tables, to track SKU's sales trend, and forecast slow sellers before approaching end of life process

Database w/ Crawler | Queens College | New York   Sept - Dec 2018

Web Crawled any given website and store the results into an organized database using PHP:

- Built an offline/online hash-based or MySQL database to store data objects crawled from Amazon or any particular website
- Designed an explicit layout of items by managing items' number, parameter type and ordering method in the list
- Modified single or multiple selected data objects from database for restructuring purpose

Big Data Reorganizing | Queens College | New York | Leader of a four-member team   Mar – May 2017

Analyzed and divided a large dataset into smaller tables with key relationships:

- Disassembled a big dataset into groups of items with similar properties using segmentation algorithm in SQL, reducing data usage memory by around 50%
- Correlated various clusters of multi-attributes by association algorithm; successfully retrieved specific data objects with limited information to capture the comprehensive profiles
- Enhanced team dynamic by defining project scope, assigning responsibilities and arranging regular discussions

PROFESSIONAL EXPERIENCES

'Tech Incubator' | Queens College | Executive Director Assistant   Feb - May 2018

- Organized 5 activities including creative thinking lectures, java script info session, and python tutorials
- Followed up activities' details including preparing participants' material, tracking attendance, and advertising
- Proactively communicated with the director and different departments; initiatively collected suggestions of improvements from members and participants and recognized by executive director

ChineseInvestors.com | Digital Marketing/IT Intern   May 2019 - Present

- Focused on managing inputs and outputs on CRM, invoice and sales system using Zoho platform.
- Produced marketing strategy plans including SEO/SEM, social media marketing, email marketing and viral marketing.