LIPING MA

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https://github.com/Liping7765 | Portfolio

EDUCATION

Baruch College, City University of New York **-** Cumulative GPA: **3.91/4.00**   New York, NY
Concentration: **Master of Science in Information System**   Sept 2019 – June 2021

Baruch College, City University of New York - Cumulative GPA: **3.86/4.00**   New York, NY
Major: Bachelor of Business Administration – Accounting   Jan 2014 – May 2019
Minor: **Mathematics**
Honors/Awards**: Summa Cum Laude**, Dean's list in 2016-2020, Milton and Norma Mann Prize Scholarship

PERSONAL PROJECTS

Backend Fullstack Project – Twitter
*Tech Stack: **Python, Django, MySQL, HBase, Redis, Memcached, RabbitMQ, Amazon S3***   Demo | GitHub
- Designed, developed, and implemented Restful APIs to operate Twitter-like backend service based on Django REST Framework
- Integrated with Push model to fanout newsfeeds for followers and optimized its responding time by over 100% using Message Queue to deliver newsfeeds as asynchronized tasks
- Utilized Redis and Memcached to cache data for users, reducing database queries for tables that are read in high frequency
- Boosted the APIs response time by 50% with Key-Value HBase storage for tables with high volume of writings
- Customized and created 20+ unit tests for each data model and feature to ensure its quality and feasibility

Frontend Fullstack Project – E-Commerce website
*Tech Stack: **HTML5, CSS, SASS, Webpack, React, Redux, Firebase, Hooks, GraphQL***   Demo | GitHub
- Launched an E-commerce web application with full shopping features with aesthetic UI design and secure user authentication
- Expanded its user authentication with google accounts, avoiding redundant sign-up process to improve user experience
- Provided payment feature with stripe integration to allow users properly and securely place their orders
- Created and utilized database from Firebase for all relevant user information

Frontend Project – Artificial Intelligence: Tic-Tac-Toe
*Tech Stack: **HTML5, CSS, JavaScript, Webpack, jQuery, Git***   Demo | GitHub
- Built an interactive single-page app to play Tic-Tac-Toe with AI player who analyzes the best moves with Depth-First-Search algorithm, ensuring the result of 100% undefeated
- Employed Object Oriented Programming design to simulate game board and players

EXPERIENCE

GEN II Fund Service, LLC   New York, NY
Fund accountant   Jan 2020 – Present
- Identified possible improvements in daily workflow and enhanced the team performance with self-taught programing knowledge
- Advised IT team regarding to the frontend development design issue for our internal document distribution website, which significantly increased efficiency of the accounting workflow by 25%
- Demonstrated and explained the usage of new technology (Data Visualization and Database management) to over 20 colleagues

PricewaterhouseCoopers (PwC)   New York, NY
Internship   Jan 2020 – Mar 2020
- Automated and streamlined administrative process voluntarily with knowledge of Excel VBA and Python, advancing the project schedule by more than 40%
- Earned 2 professional badges for digital acumen and human-centered design due to proactively accomplishing training

SKILLS & INTERESTS

Programing Language: Java, C++, Python, Ruby, JavaScript, SQL

Skills: Django, MySQL, HBase, Redis, Memcached, RabbitMQ, AWS, Git, Heroku, React, Redux, HTML, CSS, MongoDB, Node.js, Express.js, SQLite3, PostgreSQL, Webpack, jQuery