

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 Systems 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

EXPERIENCE

Tata Consultancy Services New York, NY
Software Engineer Mar 2022 – Present

- Led a team project during training to architect and implement a retail bank web application and design data model in **Core Java, JDBC, and Oracle SQL**
- Worked on a web migration project and rebuilt existing VB products into **C#** web applications in **.Net**, responsible for core logic/functionality development and database integration
- Communicated effectively with clients regarding to project progress and provided detailed technical consultation, improving customer satisfaction and team collaboration by 25%
- Adapted quickly my knowledge in **Ansible, AWS, and Docker** to assisting fast-paced DevOps teams for various projects

PricewaterhouseCoopers (PwC) New York, NY
Intern - Wealth Management Tax Services Jan 2020 – Mar 2020

- Self-started and executed an automation project by using self-taught skills in **HTML5, CSS, JavaScript, and Python** to reduce manual efforts to book timesheets, shortening project turnaround time by 40%
- Awarded with Digital Acumen Badge as result of technical trainings and significant contribution to the project

PERSONAL PROJECTS

Restful API Project – Twitter Backend
Tech Stack: Python, Django, MySQL, HBase, Redis, Memcached, RabbitMQ, Amazon S3 [GitHub](#)

- Designed, developed, and implemented independently Restful APIs to operate large-scale backend service based on Django REST Framework supporting all important features as Twitter
- Learned and applied in-depth backend system design concepts (Message Queue, Fanout, Caching and Denormalization) to improve API performance over 100% after identifying the system bottleneck
- Organized file structure and project documentation concisely for future frontend team collaboration or additional updates
- Concluded optimized database solutions based on case-by-case performance requirements with the sight of the big picture

Full- Stack Project – E-Commerce website
Tech Stack: HTML5, CSS, SASS, Webpack, React, Redux, Firebase, GraphQL [Demo](#) / [GitHub](#)

- Launched an **E-commerce web application** with full shopping features with aesthetic UI design
- Expanded its user authentication with Google accounts, avoiding redundant sign-up process to improve user experience
- Included payment feature with stripe integration to allow users properly and securely place their orders and make payments

SKILLS & INTERESTS

Programing Language: Java, JavaScript, C#, Python, and SQL
Skills: JDBC, Oracle SQL, AWS, Git, MERN (React, MongoDB, Express.js, Node.js), Redis, Memcached, Django
Interests: Basketball, Beatboxing, Chess, Photography, Reading, Traveling, Singing and Skydiving