# 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
- Applied a new data visualization library expanding functionalities of **React.js** components for **Microservices Development**
- Led a team project during training to architect and implement a retail bank web application and design data model in Core **Java, Spring, and Oracle SQL**
- Worked on a web migration project and rebuilt existing VB products into web applications, 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 my knowledge in **Ansible**, **AWS, and Docker** to assisting fast-paced DevOps teams to build **CI/CD pipeline**

PricewaterhouseCoopers (PwC) — New York, NY
*Intern* — 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* — 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:** Spring Boot, SQL, NoSQL, AWS, Git, React.js, Redis, Django, SDLC, Agile