

Yanlin Chen

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EDUCATION

New York University

Master of Science in Computer Engineering; GPA 3.7/4

New York, NY

Sep 2022 - Present

Fordham University

Master of Science in Business Analytics; GPA 3.92/4

New York, NY

Sep 2017 - Feb 2019

CERTIFICATES

AWS Certified Solutions Architect - Associate

EXPERIENCE

SkillUpIT

Software Developer Intern · Software Development

Toronto, Ontario, Canada

Apr 2023 - Sep 2023

- **System Design:** Participated in design and completed the Limited Time Promotion Buy Now business requirement. Leveraged Redis and RocketMQ to enhance performance, increasing query per second (QPS) from 500 to 50,000.
- **Redis:** Implemented cache preheating for active promotions, reduced server response time by 40% during peak traffic periods. Completed lock and revert inventory service through Redis and Lua script.
- **Microservices:** Led the Splitting of order service into promotion and order microservices according to DDD(Domain Driving Design) principles.
- **Queue Management and Database Operations:** Managed peak-load by asynchronously creating orders using RocketMQ, ensuring smooth order processing during high-demand periods. Implemented "Pay-CheckCancel" by consuming delay message. Optimized optimistic-lock of updating inventory in MySQL database.
- **REST APIs:** Implemented secure payment gateways and integrated third-party APIs to enable seamless order transactions.

Lokyata. Inc

Data Analyst · Data Science

Washington D.C.

Apr 2019 - Jan 2022

- **Adhoc Analysis:** Monitored and improved model and portfolio performance, delivering insightful advice and surpassing customer expectations by significantly enhancing KPIs such as bad rate and delinquency.
- **Data Pipeline Design and Management:** Designed and implemented ETL and data pipelines using Dataiku, ensuring efficient processing and data quality. Led the migration of databases to AWS, enabling scalable and secure management of more than 2 million Nano loan data on a daily basis.
- **A/B Testing:** Performed A/B Testing with of Credit Scoring ML Model for marketing strategies.
- **Data Visualization:** Developed real-time Tableau dashboards for multiple financial portfolios, enabling clients to access and monitor performance while providing valuable insights and assistance.

Fordham University with United Nations

Machine Learning Analyst · Design Lab

New York, NY

Feb 2018 - May 2018

- **Machine Learning Modelling(NLP):** Developed a text classification model, leveraging modern deep learning techniques such as Recurrent Neural Networks (RNN) and Transformers.
- **Data Cleansing:** Developed Python scripts and utilized advanced NLP libraries, such as SpaCy and NLTK, for efficient text preprocessing and cleaning.

PROJECTS

Groceries Delivery Backend Design: From System Design to implement to testing, the Groceries Delivery app is for drones delivery. Ran 50 testing scenarios and improve Scalability by using AWS Lambdas, API Gateway and DynamoDB

CRM Web app: Created a robust web application in Java utilizing MySQL databases, enabling efficient handling of various CRM processes, including data operations, customer management, and relationship management.

YelpCamp: Made a dynamic campground review website resembling Yelp, incorporating user registration, authentication, image upload, and CRUD operations using HTML, CSS, JavaScript, Node.js, Express.js, and MongoDB. Collaborated in an Agile team, utilizing Git for version control and implementing RESTful API design principles.

PROGRAMMING SKILLS

Languages: Python , SQL , Java , HTML , JavaScript , C/C++ , R , CSS , Ajax , Axios

Technologies: AWS , Docker , React , Database/SQL , Tableau

Framework: Spring Boot, Spring Cloud, Restful API , Mircroservice, Consul, Sentinel(, Hystrix) , JOOQ, (JPA, Hibernate, Mybatis) , MySQL, Redis, Lua, RocketMQ, Eventual Consistency, Idempotent Message