

Yueming (Ian) Luo

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WORK EXPERIENCE

Stripe

New York, NY

Senior Software Engineer | 2025 - Present

Software Engineer | 2021 - 2025

- Designed and implemented a new workflow to directly fetch Card Updates from MasterCard, saving Stripe \$10M/year in costs
- Engineered a ML-driven cross gateway retry system for payments, boosting authorization rates by 0.45 basis points (\$78M/year in processing volume) and optimizing retry efficiency (saving \$1.5M in cost)
- Led cross-functional initiative with stakeholders across multiple teams to enable merchants to submit card credentials along with Network Tokens, which resulted in a 50% retry success rate

Amazon

New York, NY

Software Development Engineer II | 2019 - 2021

- Led the design and implementation of our latest product, ASIN Growth Optimizer, with a team of engineers. Partnered with external teams and other stakeholders to minimize duplicate work and solve org-wide problems
- Redesigned and implemented a real-time orders processing and aggregation system on AWS. This system processes all worldwide Amazon orders in real-time, reducing SLA from 15 minutes to 1 minute and eliminated 10-hour data delay
Furthermore, the new system spends 50% less on infrastructure costs and causes fewer operational tickets
- Optimized Big Data pipeline to reduce operational load by 30% and monthly infrastructure costs by 30%
- Rewrote our legacy web app using React and a new server-side framework

TripAdvisor

Needham, MA

Software Engineer | 2017 - 2019

Software Engineering Intern | 2016

- Designed and implemented the Unified Inbox API for sending and receiving different types of messages and alerts on web and mobile clients
- Worked collaboratively with cross functional teams to quickly bring new features supporting the Social Initiative to the TripAdvisor.com, mainly using React and Java microservices

EDUCATION

Tufts University

Medford, MA

Bachelor of Science in Computer Science | 2017

- Magna Cum Laude. Dean's List.

SKILLS

- Java, React, Microservices and Serverless Architecture, AWS, Python, Django, HTML/CSS, Javascript, Agile Software Development, Postgres, Databases, Git