

Yueming (Ian) Luo

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WORK EXPERIENCE

Stripe

Nov. 2021 – Present

Software Engineer

New York, NY

- Designed and implemented a brand new workflow to directly fetch Card Updates from MasterCard, saving Stripe \$10 million/year in costs
- Lead an initiative across multiple teams to implement a brand new Adaptive Acceptance optimization to intelligently switch gateways. Collaborated with Data Scientists to measure the impact to inform a launch decision.

Amazon

Aug. 2019 – Nov. 2021

Software Development Engineer II

New York, NY

- Lead the design and implementation of our latest product, ASIN Growth Optimizer, with a team of engineers. Collaborated closely with external teams and other stakeholders to minimize duplicate work and solve multi-team 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 reduced data delays from up to 10 hours to 0. 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

Sep. 2017 – Jul. 2019

Software Engineer

Needham, MA

- Designed and implemented the Unified Inbox API for sending and receiving different types of messages and alerts on TripAdvisor via the web and the 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
- Improved performance of single page application by discovering and eliminating bottlenecks using open source tools

Software Engineering Intern | May 2016 – Aug 2016

- Developed custom full-stack solutions to meet clients' needs and increase revenue
- Collaborated with product managers to measure and improve profitability of advertisements using Big Data technologies
- Leveraged a wide variety of tools such as static analysis and code reviews to create robust code

EDUCATION

Tufts University

May, 2017

Bachelor of Science in Computer Science

Medford, MA

- Magna Cum Laude. GPA: 3.65. Dean's List. Minor in Physics

SKILLS & INTERESTS

- **Skills:** Java, React, Microservices Architecture, AWS, Serverless Architecture, Python, Django, PHP, HTML/CSS, Javascript, NodeJS, JQuery, AngularJS, Agile Software Development, Hive and Postgres, Databases, Git & SVN
- **Interests:** Snowboarding, Surfing, Traveling