

# Edward Li

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## EXPERIENCE

### Meta Platforms, Inc.

Cambridge, MA

*Senior Software Engineer (Mobile Networking f.k.a. Client Side Traffic Infra)*

October 2023 - March 2025

- Enabled dynamic CDN fallback targeting for IG-iOS, Threads, preventing network-based app-start failures on CDN failures, +0.2% DAU
- Unified HTTP priority logic across Meta apps, enabling faster experiment development times for product
- Invented a lightweight, cross-platform C++ logging framework for network information on all Meta apps, giving new apps an easy-to-install default logger
- Added network probing to map ad conversions -> users, restoring signal loss post-iOS 14.5
- Contributed to [moxygen](#), Meta's implementation of IETF's Media Over Quic (MoQ) protocol

*Junior -> Mid-level -> Senior Software Engineer (Conveyor)*

June 2021 - October 2023

- Led migration of Conveyor's (Meta's continuous deployment offering) internal data representation + UI, enabling 100% adoption for 50k+ services
  - Led a v-team of 5 engineers; coordinating milestones, monitoring satisfaction and oncall load
  - Backfilled front-end engineering gaps post-2023 layoffs, ensuring roadmap completion for React UI
  - Designed, implemented, and deployed translation layers, build+test orchestrators, deployment freezes, and metadata providers, while introducing Rust best practices to green team
  - Implemented logic to enable 45% of service migration, closing the loop on unification
- Invented a DSL for deployment configurations, balancing simplicity and flexibility; for all Meta engineers
- Collaborated closely w/ Security Team on fixing bad-actor abuse vectors and standardizing auditing
- Self-identified, designed, and implemented fixes to reduce latency for multiple services by up to 50%
- Presented at [Systems @Scale 2023](#) on Conveyor, tech conference for large-scale distributed systems
- Mentored an intern + designed a project to allow for custom jobs to be run in deployment engine

### Datto, Inc.

Boston, MA

*Software Engineer Intern (Datto Networking, Routers and Switches)*

January 2020 - June 2020

- Implemented check-in logic, self-recovery, and health monitoring for managed network switches
- Scrubbed UI of cross-site scripting opportunities
- Developed full stack features from Vanilla JS frontend, PHP backend, and on-device Go code

## SKILLS

**Languages:** Rust, C++, Kotlin/Java, Objective-C, JavaScript, Python3, OCaml

**Frameworks/Libraries:** React, NodeJS, Tokio, JUnit, Thrift

**Skills and Specialties:** Large scale migrations, Unification initiatives, PL agnostic + design knowledge

## PROJECTS

**Khoury Office Hours** (NextJS, NodeJS, Cypress, NestJS):

<https://github.com/sandboxnu/office-hours>

- Web app to facilitate hosting office hours during COVID-19 shutdown, through queue management tools for TA-student interactions; commissioned -> deployed in 3 months
- Implemented schedule parsing, core queue front-end functionality, real-time notifications, SSO integration
- Mentored future maintainers and wrote extensive handoff docs for on-call situations, general architecture decisions, and feature implementation guidelines

**SearchNEU** (React, Express, Node):

<https://github.com/sandboxnu/searchneu>

- Web app to streamline class search at Northeastern
- Added Facebook Messenger notifications; refactored frontend for Vercel deployment
- Collaborated with original creator + team of students to transition project into a community-owned model

## EDUCATION

Northeastern University

B.S. in Computer Science, Magna Cum Laude, 2021

## **PERSONAL**

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### **Appalachian Trail NOBO 2025**

- I completed a Thru-Hike of the Appalachian Trail, a 2197.4 mile continuous footpath from Georgia to Maine, from March-August 2025
- This journey exposed me to those outside of my echo chamber, and helped me build resilience and adaptability, through collaborating with others in high-stakes scenarios
- I blogged my journey on well-known thru-hiking blogging site, The Trek, to thousands of followers

### **Drum Corps, Winter Percussion, and Pageantry Arts**

- I am an alumnus of the Pioneer Drum and Bugle Corps, and the Cavaliers Drum and Bugle Corps, members of Drum Corps International
- I am also an alumnus of United Percussion, a World Class Percussion Ensemble, and member of Winter Guard International
- I generally volunteer for both the Cavaliers and United Percussion in large portions of my free time

### **Other Hobbies**

- I've been a member of multiple community music ensembles, learning new instruments as needed
- I like rock climbing! Sometimes
- I run casually