

# Jirath “Bart” Lojanarungsiri

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+1 628-269-8661 | US Work Authorized via CPT and OPT (no sponsorship wanted) | Willing to relocate

## EDUCATION

**Northeastern University**, Boston, MA, USA

*Expected Jun. 2027*

*Bachelor of Science in Computer Science, Minor in Mathematics*

**GPA: 3.83 / 4.00**

**Relevant Coursework:** *Distributed Systems, Web Development, Artificial Intelligence, Software Engineering, Algorithms, Object Oriented Design, Operating Systems, Programming in C++, Programming Languages*

## PROFESSIONAL EXPERIENCE

### Full Stack Engineer Co-op

*Jan. 2026 – Sep. 2026*

*Flexcar – car subscription commerce platform*

*Boston, MA, USA*

- Replaced an external risk management workflow with an internal React/Rails manual review dashboard, cutting review time by **67%** and flagging **10,000+** orders in 6 months, with thousands rejected for being fraudulent or high-risk
- Strengthened the Stripe payment flow for adding secondary drivers (**10,000+** enrolled) by formalizing a deterministic state machine, eliminating ambiguous failure states and concurrent-activation race conditions
- Drove resolution of a production issue blocking Apple verification emails, coordinating across Apple, AWS, marketing, and company leadership to restore signups for **5,000+** users
- Hardened email validation entry points for **100,000+** accounts, designing the logic and overseeing the implementation
- Discovered and resolved 2 legacy bugs in Flexcar’s risk evaluation logic that had silently skewed approvals and denials for **4%** of customers over 2 months—surfaced through code audit

### Software Engineer (Part-time)

*Jan. 2026 – Apr. 2026*

*Generate – Northeastern student-led product studio for external clients*

*Boston, MA, USA*

- Built Toggo, a full-stack trip-planning iOS/Android app, in Go and React Native on a cross-functional team of 5 designers and 7 engineers; served as frontend lead, assigning tickets and running QA code reviews
- Designed S3 image upload pipeline with adaptive quality/size compression (iterative 60-90% quality search under an 8MB cap, tiered Lg/Md/Sm variants) and built the React Native design system adopted across 14 screens
- Eliminated N+1 query patterns in Go/PostgreSQL, reducing endpoint latency from 3s to 0.5s for trip detail pages

### Software Developer

*Jun. 2025 – Aug. 2025*

*What’s The Word – event ticketing platform*

*Remote*

- Launched Stripe integration for **800+** users, enabling ticketing and driving the startup’s first revenue stream
- Boosted app latency performance by **70%** by optimizing queries, infinite scrolls, and implementing image caching
- Migrated the codebase from Flutter to React Native, accelerating development and aligning with team expertise
- Collaborated with 2 developers and 2 non-technical founders, providing technical input and delegating work

## PROJECTS

**Plonkstars** | *Python, TypeScript, React, Flask, TailwindCSS, MySQL*

*Feb. 2025 – May 2025*

- Developed a geo-locating game that generated **48,000** page views by leveraging Google Maps Streetview API
- Reduced location generation time by **86%** (from 15s to 2.1s) by implementing chunk-based coordinate generation, caching, and a fallback that accesses cached locations when generation attempts hit API call limits
- Boosted average playtime by **73%** (from 25 to 44 minutes) after implementing one-click restart, customizable gameplay, and competition features—implemented based on user beta and usability feedback

**High Card** | *TypeScript, React, NodeJS, TailwindCSS, MongoDB*

*Jan. 2025 – Feb. 2025*

- Won “Best Startup Potential” award at FinHacks out of **100+** competitors after implementing and demoing a cashback comparison tool that helped users increase cashback by **33%** via credit card benefits optimization

## TECHNICAL SKILLS

**Languages:** Python, Ruby, TypeScript, JavaScript, HTML, CSS, Go, Java, Racket, C++, Kotlin, SQL

**Frameworks:** React, React Native, NextJS, NodeJS, ExpressJS, Ruby on Rails, Flask, TailwindCSS, Jest

**Tools:** MongoDB, MySQL, PostgreSQL, Supabase, Docker, AWS (S3, SES, EC2), Grafana, Sentry, Git, GitHub

**Interests:** Long-distance running, cooking omurice, rating bottled water, GeoGuessr, VTubers, Cosplay, Fashion