

Jirath “Bart” Lojanarungsiri

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Availability: Jun. 2025 – Dec. 2025 | Boston, MA | Bangkok, Thailand

EDUCATION

Northeastern University, Boston, MA, USA

Sep. 2023 – Dec. 2026

Khoury College of Computer Science

GPA: 3.93 / 4.00

Candidate for Bachelor of Science in Computer Science, Concentration in Software, Minor in Mathematics

Relevant Coursework: Web Development, Object-Oriented Design, Algorithms and Data, Computer Systems, Programming in C++, Programming Languages, Linear Algebra, Public Speaking, Intro to Cybersecurity, Mathematics of Data Models

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, HTML, CSS, Java, Dr. Racket, C++, Kotlin

Frameworks: React, NextJS, NodeJS, ExpressJS, Flask, BootstrapCSS, TailwindCSS

Tools: MongoDB, MySQL, VSCode, IntelliJ, Git/GitHub

PROJECTS

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

Feb. 2025 – Present

- Developed ad geo-locating game that generated 17,000 page views per month by leveraging Google Maps Streetview API
- Saved \$170/month in potential API costs through workarounds that strategically utilize the free services over paid options
- Reduced location generation time by 86% (from 15s to 2.1s) by implementing chunk-based coordinate generation, valid location cache, and a fallback system that access pre-validated 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 beta user testing feedback

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

Jan. 2025 – Feb. 2025

- Won “Best Startup Potential” award at FinHacks out of 137 competitors after implementing and demoing an interactive cashback comparison tool that persuaded judges with quantifiable user benefits and clear market viability
- Accelerated development speed by 40% through designing project system architecture with clear separation between pages, UI components, data fetching, and state management layers, enabling the team to work in parallel without conflict
- Simplified financial decision-making for users by implementing an interactive UI with custom data visualization components that displays the comparison of cashback reward structures across 10 merchant categories and 50+ credit cards

Canvas Clone | *TypeScript, JavaScript, React, ExpressJS, BootstrapCSS, MongoDB*

Oct. 2024 – Dec. 2024

- Constructed a comprehensive LMS platform with 15+ features including dynamic course navigation, assignment management, enrollment systems, and interactive quiz functionality
- Enhanced user experience through proper role-based access control that isolates 10+ distinct permissions across three user types, preventing unauthorized access while enabling streamlined workflows for students, instructors, and administrators
- Built a RESTful API with 45+ endpoints that supported authentication, course management, and assessment systems

LEADERSHIP EXPERIENCE

Northeastern University Oakland

Jan. 2024 – Apr. 2024

Farm Crew

Oakland, CA

- Contributed to production cycle by harvesting and cultivating 20+ crops/flowers, and creating bouquets for farm stand
- Processed 20+ transactions each week, maintaining transaction accuracy and providing customer service at the farm stand
- Increased farm revenue by \$30+ through ensuring 100% bouquet sell-through rate by collecting customer preferences and redesigning arrangements to match market demand, eliminating end-of-day waste
- Extended selling hours by 15% after redesigning market layout, optimizing setup during peak customer traffic periods

Asian Student Alliance

Sep. 2023 – Apr. 2024

Vice-President

Oakland, CA

- Drew 300+ attendees to each of 2 flagship cultural events by coordinating venues, promotions, and day-of operations
- Increased event participation by 30% by cultivating relationships with 5+ campus organizations to drive engagement
- Executed 15+ events by overseeing supplier relationships and logistics planning while supporting the president's administrative negotiations

Interests: Long-distance running, cooking omurice, rating bottled water, GeoGuessr