

# 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: 3.97 / 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

**Awards & Honors:** Dean’s List, FinHacks Best Startup Potential Winner, Tabor Academy Intermediate Spanish Award

## TECHNICAL SKILLS

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

**Frameworks and Tools:** React, NodeJS, ExpressJS, NextJS, Django, Flask, BootstrapCSS, TailwindCSS, MongoDB, MySQL

## PROJECTS

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

Feb. 2025 – Apr. 2025

- Collaborated on an interactive geolocating game inspired by GeoGuessr, integrating Google Maps API for Streetview coverage and React-Leaflet for dynamic, pin-based guessing, and delivered with \$0 operational costs
- Reduced location-based request times from 15s to 2.1s (86% improvement) by implementing caching mechanisms, improved database queries, and chunk-based coordinate generation
- Achieved 18,000 page views and average user sessions of 42 minutes pre-launch by enhancing UX and game replayability

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

Jan. 2025 – Feb. 2025

- Won “Best Startup Potential” Award at FinHacks 2025 out of 150+ competitors, and admitted into a mentorship program as part of McCarthy’s Venture Mentoring Network to continue the project
- Co-developed a dynamic credit card management platform with personalized recommendations across 10 merchant categories, maximizing user cashback benefits up to 5% and simplifying financial decisions for users
- Engineered a recommendation engine, analyzing 50+ card types and user spending to deliver percentage-based comparisons

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

Oct. 2024 – Dec. 2024

- Developed a full-stack web app replicating core features of the learning management platform, 'Canvas,' including user authentication, course management, and interactive quizzes that persists in MongoDB
- Offered role-based access for students (enroll/unenroll, check assignments), teachers (manage courses, assignments, quizzes), and administrators (manage users, courses, content)
- Built RESTful API with NodeJS and ExpressJS enabling robust CRUD operations for users, course, assignment, and quizzes

## LEADERSHIP EXPERIENCE

Northeastern University Oakland

Jan. 2024 – Apr. 2024

Farm Crew

Oakland, CA

- Processed 20+ transactions daily, maintaining transaction accuracy and providing customer service at the farm stand
- Boosted bouquet sell-through rate from 30% to 100% by refining bouquet designs through customer feedback
- Reduced farm stand setup time by 12 minutes through iterating table layout with Farm Crew to maximize selling hours

Asian Student Alliance

Sep. 2023 – Apr. 2024

Vice-President

Oakland, CA

- Ensured seamless club initiatives by coordinating biweekly e-board meetings to distribute tasks across 6 team members
- Co-led planning and logistics for 2 large-scale events, each attracting 300+ attendees (Diwali and Asian Night Market)
- Increased event participation by 30% by cultivating relationships with 5+ campus organizations to drive engagement

Club Greenovation

Sep. 2023 – Apr. 2024

President

Oakland, CA

- Engaged 100+ participants through a campus-wide scavenger hunt that raises awareness of green campus initiatives
- Removed 800+ plastic fragments by organizing a beach cleanup in partnership with a local organization
- Secured \$500 in funding for the hydroponics initiative to campus faculty through data-driven presentations