

# 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:** Java | Python | TypeScript/JavaScript | Dr. Racket | Kotlin | C++ | HTML/CSS

**Frameworks:** React | Node.js | Express.js | Next.js | Django | Flask | Bootstrap | TailwindCSS | MongoDB | MySQL | PostgreSQL

## PROJECTS

**Plonkstars** | Python, Typescript, React, Next.js, TailwindCSS, Flask, MySQL, JWT

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 implemented with \$0 production costs
- Optimized backend performance by implementing caching mechanisms and improving database queries, reducing response times for location-based requests from 15s to 2.1s (~86% improvement)
- Enhanced UX and game replayability, leading to 17,000 page views and average user sessions of 37 minutes pre-launch

**High Card** | Typescript, React, Next.js, Node.js, MongoDB, TailwindCSS

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 that recommends the optimal card across 10 merchant categories, maximizing cashback rewards up to 5% and simplifying financial decision-making for users
- Engineered a recommendation engine, analyzing 50+ card types and user spending to deliver percentage-based comparisons

**Canvas Clone** | Typescript, JavaScript, React, Node.js, Express.js, MongoDB, Bootstrap

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

- Provided customer service at the farm stand, processing 20+ transactions daily while maintaining transaction accuracy
- Refined flower bouquet designs by collecting customer feedback, increasing sell-through rate from 30% to 100%
- Iterated with Farm Crew to optimize the farm stand layout, reducing setup time by 12 minutes and increasing selling hours

Asian Student Alliance

Sep. 2023 – Apr. 2024

Vice-President

Oakland, CA

- Coordinated biweekly e-board meetings to distribute tasks across 6 team members, ensuring seamless club initiatives
- Co-led planning and logistics for 2 large-scale events like Diwali and Night Market, each attracting 300+ attendees
- Cultivated relationships with 5+ campus organizations to drive engagement, resulting in 30% increase in event participation

Club Greenovation

Sep. 2023 – Apr. 2024

President

Oakland, CA

- Designed a campus-wide scavenger hunt to raise awareness of green campus initiatives, reaching 100+ participants
- Organized a beach cleanup and mobilized volunteer team with local organization, removing 800+ plastic fragments
- Pitched hydroponics initiative to campus leadership through data-driven presentation, securing \$500 in funding