Jirath "Bart" Lojanarungsiri

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Availability: May – Dec 2025 || Boston, MA || Bangkok, Thailand

EDUCATION

Northeastern University, Boston, MA, USA   September 2023 – Present
Khoury College of Computer Science   Expected May 2027
Candidate for Bachelor of Science in Computer Science, Concentration in Software   **GPA**: 3.97 / 4.00
Relevant Coursework: Web Development, Object-Oriented Design, Algorithms and Data, Computer Systems,
Programming in C++, Intro to Cybersecurity, Mathematics of Data Models, Programming Languages

TECHNICAL SKILLS

Languages: Java | Python | TypeScript/JavaScript | Kotlin | C++ | HTML/CSS
Frameworks: React | Node.js | Express.js | Next.js | Django | Flask | Bootstrap | TailwindCSS
Database: MongoDB | MySQL
Developer Tools: VSCode | IntelliJ | Git/GitHub

PROJECTS

Plonkstars | *Python, Typescript, React, Next.js, TailwindCSS, Flask, MySQL*   **February 2025 - Present**

- Recreated a free, interacting geolocating game inspired by GeoGuessr, integrating Google Maps API for Streetview coverage and React-Leaflet for dynamic, pin-based guessing.
- Optimized API efficiency by implementing caching mechanisms and improving database queries, reducing response times for location-based requests by 90% and location generation time by 99.9%
- Implemented a growing location pool using chunk-based randomizations, ensuring that each game is unique and efficient.

High Card | *Typescript, React, Next.js, Node.js, MongoDB, TailwindCSS*   **Jan 2025**

- **Awarded Best Startup Potential Winner** at FinHacks 2025, selected from 150+ competitors, and admitted into a mentorship program as part of McCarthy's Venture Mentoring Network.
- Co-developed a dynamic credit card management platform that recommends the optimal card for each purchasing category, maximizing cashback rewards up to 5% and simplifying financial decision-making for users.
- Constructed a dynamic recommendation engine that analyzes users' existing and potential credit cards, identifies the best card for each merchant category, and provides percentage-based comparisons to optimize cashback rewards and card selection.

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 'Canvas' platform, 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 admins (manage users, courses, content).
- Built RESTful API with NodeJS and ExpressJS enabling robust CRUD operations for users, course, assignment, and quizzes.

EXPERIENCE

Northeastern University Oakland   **Jan 2024 – Apr 2024**
Farm Crew   *Oakland, CA*

- Provided customer service and facilitated sales at the farm stand while maintaining accurate transaction records.
- Designed handcrafted flower bouquets with careful attention to detail and creativity, consistently selling out.
- Contributed to all aspects of farm operations: planting, harvesting, weeding, and mulching.
- Deliver unsold produces to the university's pantry on a weekly basis.