Jirath "Bart" Lojanarungsiri

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Availability: May - December 2025

EDUCATION

Northeastern University, Boston, MA   **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 & Libaries: React | Node.js | Express.js | Next.js | Django | Flask | Bootstrap | Tailwind CSS
Database: MongoDB | SQL
Developer Tools: VSCode | IntelliJ | Git/GitHub

PROJECTS

Plonkstars | *Python, React, Next.js, TailwindCSS, Flask, SQL*   **Feb 2025 - Present**
- Developed a **Flask RESTful API** to manage location retrieval, matches, scoring, and **PostgreSQL** for persistence.
- Built a dual-map system with **Google Maps API** for streetview navigation and **React-Leaflet** for pin-based guessing
- Implemented a dynamically growing location pool with randomized selection, ensuring a unique experience for every game.
- Optimized API efficiency to handle **continuous location queries** and reduce response times.

High Card | *Typescript, React, Next.js, Node.js, MongoDB, TailwindCSS*   **Jan 2025**
- Chosen as **FinHacks 2025 Best Startup Potential Winner** out of **150+** competitors and admitted into a mentorship program as part of McCarthy's Venture Mentoring Network.
- Collaborated on a credit card management platform that **helps users maximize rewards up to 5%** by recommending the
- optimal card for each purchasing category.
- Built the user interface using React and styled it with Tailwind CSS to deliver a polished, responsive experience.
- Designed and set up the database with MongoDB to store and manage user data dynamically.

Canvas Clone | *Typescript, 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 the database.
- Built responsive UIs with React and Bootstrap, offering **role-based access** for students (enroll/unenroll, check assignments, take quizzes), teachers (create/manage courses, assignments, quizzes), and admins (manage users, courses, content).
- Built **RESTful API** with Node.js and Express.js, enabling robust **CRUD** operations for users, courses, assignments, and quizzes, with mongoDB for scalable and flexible data persistence.
- Engineered quiz functionality with multiple question types (MCQ, true/false, fill-in-the-blank).

Simulated Stock Market Portfolio Manager | *Java, JUnit, JPane*   **May 2024 - Jun 2024**
- Developed a virtual portfolio manager that tracks stock values, evaluates performance, and enables automated stock allocation based on user-defined percentages.
- Designed a user-friendly interface and implemented **MVC architecture for scalability**, ensuring clear separation of concerns.
- Achieved **100% test coverage** with JUnit, testing all components of the MVC architecture: the model, view, and controller.
- Integrated persistent data storage to save and load portfolio information across sessions.

Interests: long-distance running · learning languages · Geoguessr · making omurice · rating bottled water