

# Jirath “Bart” Lojanarungsiri

+1 (628)-269-8661 · [lojanarungsiri.j@northeastern.edu](mailto:lojanarungsiri.j@northeastern.edu) · [GitHub](#) · [LinkedIn](#) · Boston, MA

Availability: July - 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 & Libraries:** React | Node.js | Express.js | Next.js | Bootstrap | Tailwind CSS

**Database:** MongoDB

**Developer Tools:** VSCode | IntelliJ | Git/GitHub

## PROJECTS

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

Jan 2025

- Chosen as **FinHacks 2025 Best Startup Potential Winner** 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% on average** by recommending the optimal card for each purchase 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.

**Geoguessr AI** | *Python, React, Node.js, Bootstrap*

Jan 2025 - Present

- Collaborated on an AI-driven geographic location prediction system that uses image analysis to estimate a location based on visual cues.
- Designed and developed an interactive React-based UI using Bootstrap to visualize grid-based predictions, showing model confidence and weight distribution across U.S. regions for each image.
- Wrote a Python script to call the Google Maps API for Street View images, dynamically fetching geo-tagged data, sorting them into grid-based folders, and creating a structured training dataset.

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

Oct 2024 - Present

- Developed a full-stack web app replicating core features of the 'Canvas' platform, including user authentication, course management, and interactive quizzes.
- Built dynamic, 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 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, thoroughly testing all components of the MVC architecture, including 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