Jirath "Bart" Lojanarungsiri

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Thai National | Eligible for OPT/CPT and NOT looking for H-1B

EDUCATION

Northeastern University, Boston, MA, USA   *Sep. 2023 – May. 2027*
Khoury College of Computer Science   **GPA**: 3.84 / 4.00
Candidate for Bachelor of Science in Computer Science, Concentration in Software, Minor in Mathematics
Relevant Coursework: Web Development, Artificial Intelligence, Distributed Systems, Fundamentals of Software Engineering, Object-Oriented Design, Algorithms and Data, Computer Systems, Programming in C++, Programming Languages, Linear Algebra

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, HTML, CSS, Java, Dr. Racket, C++, Kotlin
Frameworks: React, React Native, NextJS, NodeJS, ExpressJS, Flask, BootstrapCSS, TailwindCSS, Jest, PyTest, gtest,, JUnit
Tools: MongoDB, MySQL, PostgreSQL, Supabase, Docker, VSCode, IntelliJ, Git/GitHub

WORK EXPERIENCE

What's the Word?   *Jun. 2025 – Aug. 2025*
Software Developer   *Remote*
- Launched Stripe integration for 800+ users, enabling ticketing and driving the startup's first revenue stream
- Boosted app performance by ~70% by optimizing queries, pagination, and implementing smart image loading and caching
- Migrated the codebase from Flutter to React Native, improving developer velocity and aligning with team expertise
- Built unit tests that strengthened code reliability, reduced bugs, and improved developer efficiency
- Collaborated with 2 developers and 3 co-founders, providing technical input, and delegating work in a fast-moving team

Northeastern University   *Jan. 2024 – Apr. 2024*
Farm Crew   *Oakland, CA*
- Contributed to production cycle by harvesting and cultivating 20+ crops/flowers, and creating bouquets for farm stand
- Processed 20+ transactions each week, maintaining transaction accuracy and providing customer service at the farm stand
- Increased farm revenue by $30+ through ensuring 100% bouquet sell-through rate by collecting customer preferences and redesigning arrangements to match market demand, eliminating end-of-day waste
- Extended selling hours by 15% after redesigning market layout, optimizing setup during peak customer traffic periods

PROJECTS

Plonkstars | *Python, TypeScript, React, Flask, TailwindCSS, MySQL*   *Feb. 2025 – Present*
https://plonkstars.vercel.app
- Developed a geo-locating game that generated 17,000 page views per month by leveraging Google Maps Streetview API
- Saved $170/month in potential API costs through workarounds that strategically utilize the free services over paid options
- Reduced location generation time by 86% (from 15s to 2.1s) by implementing chunk-based coordinate generation, valid location cache, and a fallback system that access pre-validated locations when generation attempts hit API call limits
- Boosted average playtime by 73% (from 25 to 44 minutes) after implementing one-click restart, customizable gameplay, and competition features—implemented based on user beta and usability testing feedback

High Card | *TypeScript, React, NodeJS, TailwindCSS, MongoDB*   *Jan. 2025 – Feb. 2025*
https://devpost.com/software/high-card
- Won "Best Startup Potential" award at FinHacks out of 125+ competitors after implementing and demoing an interactive cashback comparison tool that help users increase cashback by 33% via credit card benefits optimization
- Accelerated development speed by 40% through designing project system architecture with clear separation between pages, UI components, data fetching, and state management layers, enabling the team to work in parallel without conflict
- Simplified financial decision-making for users by implementing an interactive UI with custom data visualization components that displays the comparison of cashback reward structures across 10 merchant categories and 50+ credit cards

Interests: Long-distance running, cooking omurice, rating bottled water, GeoGuessr, VTubers