

Bryan Tran

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Education

University of Massachusetts Boston

BS in Computer Engineering

(projected) May 2029

- **GPA:** 4.0
- **Related Coursework:** Linear Algebra, Intermediate Computing with Data Structures

Braintree High School

High School Diploma

May 2025

- **GPA:** 3.7
- **Related Coursework:** AP Calc BC, AP Stats, AP Computer Science A, AP Physics 2
- **Clubs:** Coding Club President, Math Team Member

Projects

Lexer | C++

[Github](#) 

- Implemented a custom Lexer using a command-line REPL to tokenize raw text into keyword tokens for an interpreter. E.g. "x = 5;" turns into 4 tokens: IDENT, ASSIGN, INT, and SEMICOLON.

Word Suggestion | Java

[Github](#) 

- Optimized algorithm using edit distance to search a word bank to guess the correct spelling of misspelled words.

Roblox Ability System | Lua

~2023

- Made design choices around Roblox's client-server system to improve performance and security. E.g. client side rendering and server side sanity checks.

Experience

Substitute Math Tutor

My Learning Center

Quincy, MA

Sept 2025 - Present

- Managed and instructed small-group tutoring sessions (5-6 students); focused on 8th-grade mathematics and SAT preparation.

Math Tutor

Inspyre Me

Braintree, MA

April 2025 - Present

- Wrote weekly progress report to track student progress and identify areas for intervention.
- One-on-one math tutoring focusing on middle school level math.

Technologies/Skills

Familiar with linux/unix-like command-line interface