Nguyen Khoi Tran

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EDUCATION

University of Massachusetts at Lowell — Lowell, MA
Bachelor of Science in Computer Science — *Sep. 2025 – May 2028*

Bunker Hill Community College — Boston, MA
Associate of Science in Computer Science — *Jan. 2023 – May 2025*

Relevant Courseworks: C++ Programming, Advance Java Programming, Data Structure and Algorithms, SQL Programming

PROJECT

Signify: HackHarvard 2024 project | *Python, Scikit-learn, OpenCV* — October 2024
- Collected and label images data (1200 images) for an ASL to English translate application.
- Collaborated with a team to develop an application that translates American Sign Language (ASL) to English in real time.
- Support the other member to train the model and debug before presenting

Mini Discord Bot | *Python, Discord Library* — January 2025
- Developed and deployed a Discord Bot to tracking the study time of each member in a study server.
- Utilized Discord.py library for bot development and event handling

2x2x2 Rubik Solver | *Java, Graph Data Structure* — May 2024
- Programmed an application to solve a scrambled 2x2x2 Rubik cube by applying my knowledge in Data Structure
- Provided the user step by step guide to solve the cube from any valid scrambles to a completely solved Rubik cube by applied Breath First Search

HACKATHONS

Hack NYU 2025 — February, 2025
New York University — *NYC, NY*
- Collaborated with a team of 4 to build a web extension that optimized spending within 24 hours
- First time working in front-end role, develop the front-end of the app by using WXT React

Hack Harvard 2024 — October, 2024
Harvard University — *Cambridge, MA*
- My first experience collaborating in group to work on a technical project
- First hands-on experience working on a Machine Learning project
- Strengthened my understanding of the concepts that I learn in class.

AWARD

University of Massachusetts at Lowell: International Transfer Academic Achievement Award ($13K annualy)

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Oracle), JavaScript
Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ
Libraries: Scikit-learn, YOLOv9