

1001 N Pleasant St,
Amherst MA 01002, USA

TOAN Q. TRAN

(773) 598-0943 | [Gmail](#)
[LinkedIn](#) | [Github](#) | [Website](#)

EDUCATION

UMass Amherst

Amherst, MA

August 2020 – May 2024

Bachelor Science in Computer Science

- Selected for Chancellor's Award for academic excellence performance in all semesters with the maximum scholarship for international students.
- Earned a place on the Dean's List with a cumulative GPA of 3.7.

Montini Catholic High School

Lombard, IL

August 2019 – May 2020

- National Honor Society with cumulative GPAs of 4.7 (11th grade) and 4.5 (12th grade). SAT - 1470
- Illinois Invitational Mathematics.

PROJECTS

[Full Stack MERN: Learning Tracker](https://github.com/toanquoctran/LearningTrackerMERN)

- The website, built with MongoDB, ExpressJs, ReactJs, and NodeJs, is a learning tracking tool for skills the users, able to register and login accounts, learned, are learning, and going to learn.
- ReactJs is used with Bootstrap to build up complex interfaces through simple Components, connect them to data on my backend server, through ExpressJs running on top of NodeJs, and render them as HTML.
- Any interaction that causes a data change request is sent to the NodeJs based Express server, which grabs data from the MongoDB, and returns the data to the ReactJs frontend of the application, which is then presented to the users.

[TypeScript-ReactJs: Flexi Classes – LTL Language School](https://github.com/LTLOnline/flexi)

- What we released: [Flexi Main Page](#)
- Vice-leader of a team of Front End Interns, responsible for maintaining the full-stack client website
- Use GraphQL to communicate with the backend. Push and merge numerous pull requests to advance the UI and UX.

[ReactJs: Artificial Intelligence News Reader](https://github.com/toanquoctran/News-AI-App)

- The website, built with ReactJs, uses an advanced Voice AI Platform that allows the users to add a voice interface to the News Reader without overhead.
- The users are able to control literally every aspect in the app using their voice.
- The app contains Material UI API for a robust, customizable, and accessible library of advanced components.

[ReactJs: 3D Portfolio Generator](https://github.com/toanquoctran/ToanTran3DPortfolioGenerator)

- The website, built with ReactJs, contains two part:
- The input template with profile picture, personal information, important links, and professional information of the users.
- The 3D portfolio, using the library ThreeJs, is exported with the input information from the template above.

EXPERIENCE

[CoderPush](#) – Front End Developer Intern

October 2021 – Present

- My team is responsible for maintaining the websites we released to our customers.
- I am assigned to communicate with the customers and come up with the final version of the websites that satisfies the customers' requirements.
- I am responsible for the front end part of the websites, using TypeScript, ReactJs, styled components, antdesign,...

[Big-O Coder](#) – Algorithms and Data Structures Teaching Intern

June 2021 – Present

- I tutor a freshman computer science student intermediate algorithms and data structures, including but not limited to BFS, DFS, Dijkstra, Bellman-Ford, Floyd-Warshall, Sorting, Stack/Queue, Heap, Binary Search, BSTree, Trie,... in Python.

[BUILD UMass](#) – Member

September 2021 – Present

- I work in a team of software developers to build websites and applications for small organizations.
- My group work on front end part, designing UI/UX and use GraphQL to communicate with the back end part.

SKILLS

- Languages: JavaScript, Python, TypeScript, HTML, CSS, C/C#, Java, SQL, GraphQL
- Libraries: ReactJs, ThreeJs, NumPy, Pandas, Matplotlib
- Frameworks: ExpressJs, Bootstrap
- Database: MongoDB, Firebase