

Toan Bui

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LinkedIn: <https://www.linkedin.com/in/ToanMBui>

Github: <https://github.com/toanminhbui>

Portfolio: <https://toanminhbui.github.io/>

Education

University of Michigan, College of Engineering

GPA: 3.4

Bachelor of Science/Engineering in Computer Engineering

Course Highlights: EECS 281: Data Structures and Algorithms, EECS 270: Introduction to Logic Design, EECS 203: Discrete Mathematics

Awards/Honors: Marian Vaughn Williams Swortzel Scholarship, MUgSS Datathon First Place

Ann Arbor, MI

May 2027

Relevant Experience

V1 Michigan

Cohort Member

- Developing full-stack mobile application with React Native, Supabase, and Next.JS
- Finalized startup ideas and implemented user research to determine product market fit
- Coordinated team meeting and sourced fundings from various competitions

Ann Arbor, MI

Jan 2023

Michigan Solar Car

Race Strategist

- Part of the strategy team working with data analysis and weather prediction
- Implemented new Dashboard in React for driver to display speed, distance from checkpoint, etc.
- Worked with Python to process and display live data
- Implemented sorting algorithm to process vehicle speed of various race tracks

Ann Arbor, MI

August 2023-Present

Michigan Student AI Learning Club

Member

- Worked with Python to train Machine Learning model with car crash data
- Developed Car Crash prediction model based on available data in the state of Ohio
- Developed data filtering and analysis skills with large dataset

Ann Arbor, MI

August 2023-Present

William Jessups University

Data Analyst

- Refined and analyzed thousands of data points with R and JMP
- Created informative visualizations and presented to peer groups
- Competed in various ASA and Kaggle competitions, earned 3rd place school-wide and honorable mentions
- Researched the correlation between pedestrian accidents and various road conditions, presented findings.

San Jose, California

Sept. 2022-Apr. 2023

VC DECA

Software Developer

- Developed score tracking and tabulation software for DECA business team with over 100 members
- Worked with Python and PANDAS API to extract data and compute final results based on rubric
- Communicated effectively with team members to set goals and coordinate schedules in different time zones.

Valley Christian High School

May 2022–Aug. 2022

Personal Projects

Canvassist

Ann Arbor, Michigan

- Won 2nd place in the ITS category at Mhacks16, largest student-run hackathon competition.
- Leveraged OpenAI API to develop tailored educational resources aimed at students utilizing the Canvas platform.
- Established a comprehensive vector database utilizing MongoDB, facilitating efficient searching of class assignments.
- Integrated prompts and assignment data seamlessly utilizing Langchain, enhancing user experience and accessibility.

SmartCart

- Implemented smart recipe searcher to look for food with specific ingredients and dietary restrictions
- Worked with Edamam Recipe Search API in Python to filter and display recipes.

Personal Portfolio

- Designed and developed a responsive personal portfolio website using HTML, CSS, and JavaScript.
- Implemented interactive elements and animations to enhance user engagement and experience.
- Ensured cross-browser and cross-device compatibility.

Additional

- **Native Proficiency Languages:** Vietnamese, English, Mandarin Chinese
- **Technical Skills:** Java, Python, JMP, R, C++, Data Analysis, Problem-Solving, PANDAS, HTML, CSS, Javascript
- **Hobbies/Interests:** Entrepreneurship, Research, Technology