Toan Bui

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Education

University of Michigan, *College of Engineering*   **Ann Arbor, MI**
GPA: 3.4   May 2027
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

Relevant Experience

V1 Michigan   **Ann Arbor, MI**
- Working with React Native to develop mobile productivity application   Jan 2023
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Michigan Solar Car   **Ann Arbor, MI**
- Part of the strategy team working with data analysis and weather prediction   August 2023-Present
- 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

Michigan Student AI Learning Club
- 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

William Jessups University   **San Jose, California**
Data Analyst   Sept. 2022-Apr. 2023
- 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.

VC DECA   **Valley Christian High School**
Software Developer   May 2022–Aug. 2022
- 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.

Personal Projects

Canvassist   **Ann Arbor, Michigan**
                                                                                                                             Nov 2023
- Won 2nd place in the ITS category at Mhacks 16
- Worked with OpenAI API to create personalized learning tools for students who use Canvas
- Created vector database of class assignments with MongoDB for prompt searching
- Embedded prompts and assignment data with Langchain

Smart Cart   **Ann Arbor, Michigan**
                                                                                                                             Oct 2023 - Present
- 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.
- Designed front end with React

Finance the Future   **San Jose, CA**
Organizer, Teacher   Jun. 2021–Jun. 2023
- Cooperated with fellow teachers to develop a financial literacy curriculum for middle school students
- Taught semester-long course on the basics of finance

Additional

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