

# Thy (Tee) Le

+1 (414) 813 - 1780

[let@msoe.edu](mailto:let@msoe.edu)

<https://www.linkedin.com/in/thy-tee-le/>

<https://teegitit.github.io/>

## SUMMARY

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Senior Software Engineering student at Milwaukee School of Engineering, graduating in 2023 with internship experience, diverse hands-on experiences with team and personal projects, as well as volunteering. Skilled in Java, Python, C/C++, Flutter/Dart.

## EDUCATION

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### Milwaukee School of Engineering University

09/2019 - Present

Milwaukee, Wisconsin

- B.S in Software Engineering, minor in Mathematics
- Expected graduation: May 2023

## EXPERIENCE

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### Engineering Excellence Intern - Smart Edge Platform

06/2021 - Present

Johnson Controls, Inc., Glendale, Wisconsin

- Develop Flutter/Dart code for GUI of cross-platform devices, including Android and Linux.
- Develop C/C++ code for the back-end portion.
- Maintain FFI layer (Foreign Function Interface) between GUI and Firmware portions.
- Implement, modify Python and Azure Pipelines build scripts to build code, CI/CD.
- Practice Scrum progress using JIRA, Azure DevOps.

### Project Lead The Way (PLTW) Volunteer - Introduction to Computer Science

09/2022 - Present

St. Joan Antida High School, Milwaukee, Wisconsin

- Assisted the teacher to introduce Computer Science and programming to high school students.
- Implemented and helped with small Python programs.

### Virtual Mathematics, Object Oriented Programming Tutor

06/2020

Virtually, Summer Volunteer

- Introduced concepts of OOP and Software Engineering to a high school student with Java.
- Assigned small coding problems and assisted the student with Math homeworks.

## SKILLS

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Technical skills	Java/JavaFX	Data Structures & Algorithms	Azure DevOps
	Python	Design Patterns	Git
	HTML/JavaScript/CSS	Software Verification	Scrum
	C/C++	Linux	Disciplined Agile Delivery
	Flutter/Dart	mySQL	JIRA

### Languages

Fluently in English and Vietnamese

## PROJECTS

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### Modem Activated Warning System

09/2022 - Present

Senior Design team project

- Develop a real time system application with sensors and solar power to report road conditions to help with the traffic with C/C++.
- Implement a protocol to allow the micro controllers to communicate wirelessly.
- Practice Disciplined Agile Delivery (DAD) and Scrum processes, Git.

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### Semester Transition Advising Tool

11/2021 - 05/2022

Team project

- Developed a web-based application to support professors to track and plan courses for students at MSOE.
- Practiced HTML, JavaScript, CSS, NodeJs, Git and Scrum process.

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### GTFS Application

09/2020 - 11/2020

Team project

- Implemented data structures to load, store and update the data from the GTFS files using Java.
- Designed the UI using Screen Builder and JavaFX.
- Implemented Observer Design Pattern to update the change in the UI and data structure.
- Applied MapQuest API to plot the map with all the stops and routes of the data.

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### English - Vietnamese Basic Dictionary

06/2020

Personal Project

- Implemented Set and Map data structures to store words and definitions using Java.
- Designed UI with Screen Builder and JavaFX
- Implemented GUI to search words and interact with the application.

## ACTIVITIES

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### Robochix - Team 4267

08/2018 - 05/2019

Member

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### National Honor Society

2017 - 2019

Member

## AWARDS

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Dean's list student - Milwaukee School of Engineering

2020 - 2022

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President's Education Award - U.S Department of Education

2019

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Bausch and Lomb Honorary Science Award - University of Rochester

2019