

Alexander Nickita, Embedded Software Engineering | Mathematics | Researcher @ Lawrence Technological University

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LINKS	LinkedIn , GitHub	
PROFILE	Embedded Software Engineering student at Lawrence Technological University with a Mathematics minor, specializing in low-level programming, real-time systems, and microcontroller/microprocessor development. Skilled in C/C++, Java, and logic design with a foundation in circuit analysis and data structures. Experienced in applying engineering principles to embedded platforms, with strong problem-solving skills and familiarity with Agile practices, UML modeling, and testing methodologies.	
EMPLOYMENT HISTORY		
May 2025 — Present	Research Assistant, Lawrence Technological University	Southfield, Michigan, United States
	Help principal investigators with experimental design, variable definitions & scope, as well as help to proctor experiments and find subjects.	
	I also mentor and oversee other undergraduate students who participate in research at LTU	
Nov 2024 — Present	Computer Assistant, Southfield Public Library	Southfield, Michigan, United States
Sep 2023 — Oct 2024	Host, Hazel's Restaurant	Birmingham, Michigan, United States
EDUCATION		
Jan 2027 — Present	Bachelor of Applied Science - BASc in Embedded Software Engineering, Lawrence Technological University	
	Expected Graduation: May 2027	
	GPA: 3.55	
Jan 2020 — Jan 2023	Associate's degree in Computer Software Engineering, Oakland Community College	
	Graduated with honors, 3.75 GPA, Magna Cum Laude	
ACADEMIC PROJECTS		
	Computer Vision-based Identification Application	Lawrence Technological University
	Using OpenCV, trained an AI model to be able to distinguish humans from other objects, powered by Tiva C-series embedded microcontroller	
	Conveyor System Sensor Implementation	Lawrence Technological University
	Led the design and implementation of a microcontroller-based sensor that detects when items are dropped into the disposal area for a can crusher project.	
SKILLS AND CERTIFICATIONS	C/C++	Digital Logic Design
	SAFe 6 Scrum Master	Circuit Analysis
	Data Structures	Microcontroller Programming

AWARDS

Magna Cum Laude

Oakland Community College

Phi Theta Kappa member

Oakland Community College

Admitted member of the Phi Theta Kappa honors society while at OCC

Aug 2024 — May 2025

Dean's List

Lawrence Technological University

Awarded Dean's List honors in the Fall 2024 and Spring 2025 semesters at Lawrence Tech University.

Virinder K. Moudgil Scholarship

Lawrence Technological University

Awarded the merit-based Moudgil transfer student scholarship after being accepted to LTU.