

Phu Pham Ngo Thien

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EDUCATION

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|---|---------------------------|
| Kettering University, Flint, Michigan | October 2024 - Present |
| Bachelor of Science in Mechanical Engineering | |
| <ul style="list-style-type: none">Status: A-Section, Senior 2, GPA: 3.75 | |
| University Of South Florida, Tampa, Florida | August 2022 - August 2024 |
| <ul style="list-style-type: none">Completed coursework: Engineering Prerequisites | |

WORK EXPERIENCE

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| Tiara Yachts, Holland, Michigan | January 2026 - Present |
| <i>Composite Engineering Co-op</i> | |
| <ul style="list-style-type: none">Alternative Knitted Project: Evaluated alternative fiberglass as backup to current fiberglass, via flow test and mechanical properties<ul style="list-style-type: none">Built test panels via closed molding resin infusion, post-cured with Thermotron environment test chamberConducted ASTM mechanical tests with Instron mechanical test machineConducted composite-specific tests such as flow test via closed molding infusion, fiber weight fraction testInfusion Limits Project: Evaluate the maximum resin flow distance to determine the possibility of extending current yacht dimensions<ul style="list-style-type: none">Conduct flow tests, one at vertical 20 feet and one at horizontal 150 feet, where both distances proved too farConduct ASTM Tensile Properties Test and ASTM Flexural Properties TestApplied calculations for hose friction, required resin grams for tests, and the theoretical infusion limits | |
| Kettering University, Flint, Michigan | May 2025 - June 2025 |
| <i>On-campus Co-op, Formula SAE EV Manufacture Member</i> | |
| <ul style="list-style-type: none">Soldered, with pneumatic soldering, contact patches on multiple circuit boardsAdditively manufactured custom cell holders and board covers, improving component integration | |

AWARDS

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| Kettering University Dean's List | Fall 2024 - Fall 2025 |
| Member, Pi Tau Sigma (Kettering Delta Chi) | December 2025 |

LEADERSHIP EXPERIENCE

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| Riverside Preparatory Academy, Gainesville, Georgia | August 2021 - May 2022 |
| <i>JROTC - S-4 Battalion Staff</i> | |
| <ul style="list-style-type: none">Oversaw battalion companies' Executive Officers in managing cadet supplies, JROTC uniforms, achievement ribbons, and equipment records accuratelyEnsure complete accountability of training rifles and officer swords during and after parade drills | |

ACADEMIC PROJECTS

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| Formula SAE club of Kettering University, Flint, Michigan | August 2022 - Present |
| <i>Formula SAE race car composites</i> | |
| <ul style="list-style-type: none">Calculated resin: hardener ratio at a 100:66 ratio, according to Aeropoxy PT2712 resin specificationProduced aerodynamic components with resin infusion, wet layup, and Dremel cutting with PPEConstructed a DIY fiberglass oven, achieving a 4-hour cure time without the cost of a commercial oven | |

SKILLS

Languages: English, Vietnamese
Programs: Microsoft Word, Excel, PowerPoint
Technical: SolidWorks, Fusion