

# Thomas Graham Fisher II

tfisher4@nd.edu | (317) 832-8013 | 318 Fisher Hall

EDUCATION	<b>University of Notre Dame</b> Computer Science with supplementary Honors Math GPA: 3.945	Notre Dame, IN May 2022
	<b>Park Tudor School</b> GPA (UW): 4.00   Class Rank 1/116   SAT 1580	Indianapolis, IN May 2018
HONORS	<b>National AP Scholar</b>	July 2018
	<b>Virginia A. Smith Top Academic Award (Park Tudor award)</b>	May 2018
	<b>National Merit Finalist</b>	February 2018
	<b>A. Malcolm McVie Service and Scholarship Award (Park Tudor award)</b>	May 2017
	<b>Cum Laude Society Member</b>	April 2017
EXPERIENCE	<b>Introduction to Engineering Systems I</b>	
	<u>Controlled Descent (Team Member)</u>	Fall 2018
	<ul style="list-style-type: none"><li>Collaborated with three others to design and construct a “care package” capable of withstanding a drop of 15.67 ft while holding a 2 N weight without triggering a force sensor upon landing</li></ul>	
	<u>Iterative Design (Team Member)</u>	Fall 2018
	<ul style="list-style-type: none"><li>Designed a picture frame with two others using SolidWorks for potential sale in the Hammes Bookstore</li><li>Devised mechanisms for hanging the frame on a nail and for standing at an angle of 60-80°</li><li>Revised model considering feedback from Bookstore and peers, adding functionality while lowering cost</li><li>Awarded most creative design for sleek and effective frame in the shape of ND monogram</li></ul>	
	<b>Robotic Football Club</b>	Fall 2018-present
	<ul style="list-style-type: none"><li>Collaborate with fellow engineers to design, build, program, and repair more than a dozen robots to “play” football; robots are controlled by club members in a game very similar to American football</li><li>Currently creating interface between user and internal states of robots using MQTT protocol in small team</li></ul>	
	<b>Senior Event Assistant at the Notre Dame Student Activities Office</b>	Fall 2018-present
	<ul style="list-style-type: none"><li>Prepare and disassemble various venues for student events around campus</li><li>Monitor ongoing events and ensure their smooth running</li><li>Coordinate shifts, lead small group of coworkers, and serve as first contact for any issues during events</li></ul>	
	<b>Job Shadow at Indy Aerospace, Inc.</b>	Summer 2018
	<ul style="list-style-type: none"><li>Observed and inquired into the work of Logan Walker, head of Sales and Business Development and Lead Engineer at Indy Aerospace, Inc.</li><li>Learned the basics of SolidWorks and the aerospace engineering industry</li></ul>	
	<b>Global Scholars Project</b>	Fall 2016-April 2018
	<ul style="list-style-type: none"><li>Completed a two-year research project investigating the United States’ recent shortage of STEM professionals and the United States’ relative shortcomings in STEM education when compared globally</li><li>Reached out to and enlisted the guidance of a mentor, wrote a 60-page research paper on the aforementioned topic, and presented my findings to a panel of judges</li></ul>	
	<b>CyberPatriot Season X: Team Captain</b>	Fall 2017
	<ul style="list-style-type: none"><li>Competed in cybersecurity competitions organized by the Air Force Association</li><li>As Team Captain, organized team events and engendered interest, commitment, and competitive drive within the team</li><li>Led the team to 2<sup>nd</sup> place finish in the state round, and then to 6<sup>th</sup> in the regional round</li></ul>	
	<b>Summer Job at Park Tudor Maintenance</b>	Summers 2016, 2017
	<ul style="list-style-type: none"><li>Worked for two summers with Park Tudor Maintenance to promote general upkeep of campus</li><li>Work responsibilities included mulching, weeding, cleaning, mowing, and other groundskeeping</li></ul>	
ACTIVITIES	Fisher Interhall Baseball Fisher Interhall Dodgeball	St. Adalbert’s Elementary School Tutoring App Club League of Legends Club Classics Club
SKILLS	Technology: Java, basic Python, SolidWorks, basic MATLAB, basic Arduino Language: Intermediate Latin Instrument: Cello, Piano	