Nicholas {Nic} C. Wiggins

989-600-5845 5207 Claremont St, Midland, MI 48642 Wiggin63@msu.edu							
		'	Education	,	1 00 0	GPA: 3.99/4.00	
Michigan State University							
\rightarrow	College of En	College of Engineering Bachelor of Science ♦ Computer Science May 2					
\rightarrow	College of En	gineering Bachelo	or of Science ♦ Mechanical	Engineering		May 2020	
\rightarrow	Honors Colle	ge, Deans List, Top	5%				
			Work History				
Tesla ◆ Palo Alto, CA Chassis Controls Firmware Intern						Aug 2018– Present	
\rightarrow	_		ing methods and analysis o	f VDC alerts.		May Aug 2019	
Bosch ◆ Plymouth, MI <u>Automated Driving Intern</u>						May – Aug 2018	
\rightarrow							
 → Aided GUI design, release testing and clean-up of OSS for customer release. Bosch ◆ Plymouth, MI Chassis Controls Intern 							
→ Learned and calibrated Safe Brake to Stop function with the purpose to demonstrate to customers						May – July 2017	
→	and marketing demonstrations.						
\rightarrow		mproved tracking spreadsheet for instrumentation in vehicles.					
	Springhill Camps ♦ Evart, MI Overnight Middle School Camp Counselor						
\rightarrow							
	mentoring ch						
Experience							
Formu		[eam Simulation I				May 2017 – July	
\rightarrow			p Time Simulation software	e (LTS) to create a	model of the car to assist	2018	
	in design decisions such as track width and wheel base.						
\rightarrow	Utilized Optimum Tire and the LTS to create a representative tire model.						
\rightarrow	Led a point study of the competition using LTS to determine vehicle goals. Wheels, Hubs & Uprights Project Leader					Aug 2016 – May	
\rightarrow						2017	
	→ Utilized programs such as NX and ANSYS to model and validate hubs, uprights and components						
\rightarrow							
	Suspension Team Member						
\rightarrow						Jan 2016 – July	
\rightarrow	Expanded understanding of weight distribution through scaling					2018	
\rightarrow							
\rightarrow	,						
\rightarrow	Implemented Magic Formula tire model using MatLab for use in vehicle model Powertrain Team Member						
\rightarrow	Fabricated multiple muffler end caps for sound and weight testing					Sont 201E Jan	
\rightarrow	Researched and modeled an external oil reservoir baffling system					Sept 2015 - Jan 2016	
Rebuilt 1929 Ford Model 'A' Father and Son Project						2010	
→ Pulled motor six times and rebuilt motor once, furthered patience and optimism						May 2008 – Present	
→ Fabricated leaf spring mounts as well as an intake manifold and exhaust headers							
Engine	Engineering Design Day Project Manager and Lead Developer						
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\rightarrow							
Volunteering						March 2018	
Cru with Filter of Hope Craw people skills installing water filters for impoverished families in Cuba						March 2018	
→ Grew people skills installing water filters for impoverished families in Cuba. Scholarships							
MSU College of Engineering - Thomas and Marilyn Culpepper Engineering Endowed Scholarships							
→ Honored for academic achievement						July 2018	
Alan Mulally Leadership in Engineering Scholarship Candidate						March 2017	
→ One of ten selected from MSU based off of GPA, communication skills and leadership roles.						ivialCII ZUI/	
Technical Skills							
	c Welding	Visual Basic	Metal Fabrication	AutoCAD	SketchUp		
	G Welding	C&C++	Mill Machining	Inventor	NX 10 ANSYS Workbench		
110	G Welding	Python	Lathe Operation	Revit	ANDID WULKDEUCH		