## Troy Michael Bouman, PhD, MSE, MBA

Troy@TroyBouman.com • 616.990.2699 • www.TroyBouman.com

## EDUCATION

Doctor of Philosophy in Mechanical Engineering	May 2021
Michigan Technological University, Houghton, MI	
Focus: Acoustics, Vibrations, and Dynamic Systems	
Awards: -Graduate School's Outstanding Scholarship Award	
-1st Place – Best Overall Paper at 2017 SAE Noise and Vibration Conference	e
Master of Science in Mechanical Engineering GPA: 3.89	May 2016
Michigan Technological University, Houghton, MI	, ,
Awards: -Outstanding Graduate Student Teaching	
-Best of Show Award at 2015 SAE Noise and Vibration Conference	
-Excellence in Noise Control from INCE 2016	
Certificate: LabVIEW Associate Developer	
Master of Business Administration GPA: 3.95	April 2014
Grand Valley State University Grand Rapids MI	71pm 2011
Beta Gamma Sigma International Honors Society	
Award: Dean's Citation for Academic Excellence	
Certificate: Managing Business, Government, and Public Policy, Washington, D.C.	
Destates (Colored in Masteria, Destates in CDA 200	M 2012
Michigan Tash nological University, Houghton, MI	May 2012
Michigan Technological University, Houghton, Mi	
Minors: Electrical Eligneering & General Music	
INDUSTRY EXPERIENCE	
Great Lakes Sound and Vibration, Houghton, MI	Feb 2022-Present
Senior Engineer – Supporting government dynamic systems projects	
Michigan Technological University, Houghton, MI	May 2021 Eab 2022
Pessareh Engineer Supporting government and industry dynamic system proje	Way 2021-1 CD 2022
Research Engineer – Supporting government and industry dynamic system proje	cets
Bouman Technologies, Houghton, MI	Fall 2013-Present
Owner - Supporting small businesses with NVH consulting, IT solutions, and we	eb development
Roush Industries, Livonia, MI	Summer 2016-Summer 2019
NVH Engineer – NVH consulting for a variety of customers in many sectors	
Certificate: Recognition for extraordinary performance in 2017	
PUBLICATIONS	
Bouman, T. "Development of the Carbon Nanotube Thermoacoustic Loudspeaker" Open	Access Dissertation Michigan
Technological University, 2021. https://doi.org/10.37099/mtu.dc.etdr/1204	The second provertication, the inguit
Bouman, T. Barnard A. Alexander I. Continued Drive Signal Development for the Carbo	on Nanotube Thermoacoustic
Loudspeaker Using Techniques Derived from the Hearing Aid Industry. SAE NVH (	Conference Proceedings, 2017.

Bouman, T., Barnard, A., Asgarisabet, M., Experimental quantification of the true efficiency of carbon nanotube thin-film thermophones, *Journal of the Acoustical Society of America*, 2016.

## RESEARCH

First place paper in SAE NVC Best Student Paper Competition