

CURRICULUM VITAE

Joshua D. Barnes

EDUCATION			
Degrees	Institution	Year Awarded	Major
Bachelor of Science w/ Honors	Lamar University	2015	Mechanical Engineering
Bachelor of Science w/ Honors	Lamar University	2015	Physics
Minor	Lamar University	2015	Mathematics
Additional Study	Institution	Date	
	Lamar University	2009 - 2010	Sustainable Design
	Lamar University	2006-2015	Honors College
TEACHING EXPERIENCE			
	Institution	Year	Discipline(s) Taught
	Lamar University Math Lab	2008	Calculus, Algebra, Mathematics
	LU Student Support Services	2008 – 2009	Physics, History, English, Geography
	Beaumont Mathnasium	2014	Math (Grades 2-12 & college level)
	Lamar Institute of Technology	2015 – 2016	Applied Physics Laboratory
	Beaumont ISD	2016 – 2017	Algebra 1, Math Models, Geometry
	LIT Learning Lab	2015 - 2018	Math, Algebra, Statistics, Physics, Calculus
	LIT STEP Program	2016 - 2018	Developmental Mathematics, Contemporary Math
	Lamar State College - Port Arthur	2017 – 2018	Beginning Algebra, Intermediate Algebra, Quantitative Reasoning (support), Algebra 1 (support)
RESEARCH & PROFESSIONAL PRESENTATIONS			
Topic	Year	Funder	Presentation Venue
<i>Sustainable Concept Car Design</i>	2009	McNair Scholars Program / TRIO	University of North Texas, Lamar University
<i>Triple-Pillar Sustainability Quantification</i>	2010	McNair Scholars Program / TRIO	Ohio State University, Lamar University
<i>Centrifugal Pump Diagnostic System</i>	2010	Valero Chemical Company	Valero Chemical Company
<i>Conductive, Fire-resistant Nano-Particles</i>	2013	National Science Foundation	
<i>Multipurpose Origami Survival Tent</i>	2014	Clinton Foundation	Arizona State U., U. of Miami, Lamar U.