

Professional Awards by Student

CertificateName	Title	Teacher	School
Aarushi Ganguly	Bayesian probability technique to estimate Schizophrenia genes	Catherine Renaud	Greenhills
Place Code	Organization Name	Organization Description	
ST-1 APA	American Psychological Association	Certificate	
ST-3 ASA	American Statistical Association (ASA), Michigan Chapter	Award of merit of \$100 for the effective use of statistical methods in the science fair project	
Aar Zoo Mahajan	The Effects of Heavy Metal Contamination on Various Aquatic Organisms	Mr. Matthew Miller	Saginaw Arts & Sciences Academy
Place Code	Organization Name	Organization Description	
ST-1 ASU	ASU Walton Sustainability Solutions	Certificate	
Schol KU	Kettering University	\$20,000 four year scholarship to Kettering University, payable at \$5,000 per year for 4 years	
ST-1 WEF	Water Environment Federation (Stockholm)	Certificate	
Ajay Arora	Strong Matching Preclusion of the Generalized Petersen Graph	James Didio	Novi Senior High School
Place Code	Organization Name	Organization Description	
ST-1 MUALPH	Mu Alpha Theta	Certificate	
Allison Heath	"Differential Response to Temozolomide in Patient-derived Glioblastoma Cells	Dennis Kwasny	Bloomfield Hills HS (formerly Andover)
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapter	Certificate of recognition for the use of statistical methods in the student's science fair project	

CertificateName	Title	Teacher	School
Anna Sun	Real Time Heart Rate Variability Analysis	John Dougherty	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapte	Certificate of recognition for the use of statistical methods in the student's science fair project	
Arsalan Khan	The Effect of SAP's on Soil Moisture and Plant Height -Solving The Drought Cri	Brian Taylor	Dearborn Center for Math, Science & Tech
Place Code	Organization Name	Organization Description	
ST-1 NASA	NASA Earth System Science	Certificate	
Arundhathy Suresh	Mechanism by Which Holy Basil Protects Human Cells Against Pneumonia.	Dustin Quandt	Pioneer HS
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapte	Certificate of recognition for the use of statistical methods in the student's science fair project	
Arushi Arora	Utilizing the WGCNA package in R to Identify Biomarkers for Infantile Spasms	James Didio	Novi Senior High School
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapte	Certificate of recognition for the use of statistical methods in the student's science fair project	
Batoul Hammoud	Random Student Selection	Deena Alam-parks	Dearborn Center for Math, Science & Tech
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapte	Certificate of recognition for the use of statistical methods in the student's science fair project	

CertificateName	Title	Teacher	School
Brandon Davis	Reducing Carbon Emissions From A Coal Burning Plant	David Allan	Saginaw Arts & Sciences Academy
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapte	Certificate of recognition for the use of statistical methods in the student's science fair project	
Clara Wagner	Investigating Tuned Magneto-Rheological Reservoirs, Compression Systems, and S	Dr. Allan	Saginaw Arts & Sciences Academy
Place Code	Organization Name	Organization Description	
ST-2 ASA	American Statistical Association (ASA), Michigan Chapte	Award of merit of \$250 for the effective use of statistical methods in the science fair project	
ST-1 ISEF	ISEF	ISEF Finalist to the 2017 International Science and Engineering Fair in Los Angeles from May 14-19, 2017	
Collin Wang	Measuring Expression for Novel Variations in Enhancers using STARR-seq Data	Gillian Vonseeger	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
ST-3 ASA	American Statistical Association (ASA), Michigan Chapte	Award of merit of \$100 for the effective use of statistical methods in the science fair project	
Grace Macomber	Toward Making Extrudable, Water-Soluble Plastic From the Shells of Gulf Shrimp	Matthew Miller	Saginaw Arts & Sciences Academy
Place Code	Organization Name	Organization Description	
ST-1 ASU	ASU Walton Sustainability Solutions	Certificate	
ST-1 NOAA	United States Department of Commerce Oceans and At	Certificate, Medallion, Letter of Congratulations	
Henna Haque	Using Polymer Hydrogels for Drug Delivery	Mr. Matthew Miller	Saginaw Arts & Sciences Academy
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapte	Certificate of recognition for the use of statistical methods in the student's science fair project	

CertificateName	Title	Teacher	School
Hongxiang Zhao	An Integrated Approach to Novel TSP-Based Clustering Algorithms	Ross Arseneau	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
ST-3 ASA	American Statistical Association (ASA), Michigan Chapter	Award of merit of \$100 for the effective use of statistical methods in the science fair project	
Jared Freeman	Resisting Digestion	Gillian Vonseeger	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapter	Certificate of recognition for the use of statistical methods in the student's science fair project	
Josh Zhe	Raspberry Pi Autonomous Cars Driving and Interacting	Richard Fitzner	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
ST-1 USAF	United States Air Force	Certificate, messenger bag, card reader/writer, custom single speaker, and a beta adapter set.	
Julia Shen	Eco-Friendly Lithium-ion Battery Reuse via Intelligent Energy Harvesting	Rami Baroodi	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapter	Certificate of recognition for the use of statistical methods in the student's science fair project	
ST-1 INTEL	Intel Corporation	\$200 Cash Award and an Intel Award Certificate	
ST-1 RICOH	Ricoh Corporation	Certificate as State Fair Winner, Science News Magazine - subscription, Senior winners eligible for \$50,000 competition	
Katharine Shao	The Effect of Mechanical Compression on Cancer Cell Proliferation	John Dougherty	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	

CertificateName	Title	Teacher	School	
ST-H ASA	American Statistical Association (ASA), Michigan Chapter			Certificate of recognition for the use of statistical methods in the student's science fair project
ST-1 INVITR	Society for In Vitro Biology			Certificate of Achievement-State Winner
ST-1 ISEF	ISEF			ISEF Finalist to the 2017 International Science and Engineering Fair in Los Angeles from May 14-19, 2017
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Katherine Garber	Electronic Tap Board			
	Deena Alam-parks		Dearborn Center for Math, Science & Tech	
Place Code	Organization Name			Organization Description
Schol KU	Kettering University			\$20,000 four year scholarship to Kettering University, payable at \$5,000 per year for 4 years
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Kiana Sadri	Testing Biodegradable Compounds in Rubber Tire Formulations			
	Marc Fazio		Detroit Country Day Upper	
Place Code	Organization Name			Organization Description
ST-1 AMMETE	American Meteorological Society			Certificate of Outstanding Achievement
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Madeleine Yang	High-dimensional Single-cell Cytometry Analysis of Cancer Stemness			
	Ross Arseneau		Detroit Country Day Upper	
Place Code	Organization Name			Organization Description
ST-H ASA	American Statistical Association (ASA), Michigan Chapter			Certificate of recognition for the use of statistical methods in the student's science fair project
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Malini Mukherji	Determining light-source location using Machine Learning and Solar Cells			
	Jocelynn Yaroch		Notre Dame Prep. High School	
Place Code	Organization Name			Organization Description
ST-1 ASA	American Statistical Association (ASA), Michigan Chapter			Award of excellence of \$500 for the outstanding use of statistical methods in the science fair project
Schol KU	Kettering University			\$20,000 four year scholarship to Kettering University, payable at \$5,000 per year for 4 years

CertificateName	Title	Teacher	School	Organization Description
ST-1 USAF	United States Air Force			Certificate, messenger bag, card reader/writer, custom single speaker, and a beta adapter set.
Marinos Bernitsas	Do Fish Hold the Secret to Hydrokinetic Energy Harnessing?	Karin Nelson	Northville High School	
Place Code	Organization Name			Organization Description
ST-H ASA	American Statistical Association (ASA), Michigan Chapter			Certificate of recognition for the use of statistical methods in the student's science fair project
ST-1 USMETR	US Metric Association Award			Certificate
Mckendra Perry	Roof Design that Collects all Precipitation and Natural Fertilizer	Aaron Wesche	Addison High School	
Place Code	Organization Name			Organization Description
ST-1 AWGS	Association of Women GeoScientists			Certificate, State
Rashad Prendergast	Impact of Road Salt Usage On Atmosphere Concentrations of Cl and Na PM 2.5	Sonya Ross	Cass Technical High School	
Place Code	Organization Name			Organization Description
ST-1 AMMETE	American Meteorological Society			Certificate of Outstanding Achievement
Richard Yang	Optimization of Electro Pulsing on 3Y-TZP Ceramic Water Filter Sintering	Rebecca Brewer	Troy High School	
Place Code	Organization Name			Organization Description
ST-1 USNAVY	United States Navy			letter of congratulations; certificate of achievement; a medallion; and \$70 award gift card
Robert Look Iii	Testing the Electrical Energy Production Capability of Microbial Fuel Cells	Aaron Wesche	Addison High School	
Place Code	Organization Name			Organization Description
ST-1 USNAVY	United States Navy			letter of congratulations; certificate of achievement; a medallion; and \$70 award gift card

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Rohit Mital	Mat Innovation for Mounting Ceramic Substrates	Rahul Mital	Indus Center for Academic Excellence -HS
Place Code	Organization Name	Organization Description	
ST-3 ASA	American Statistical Association (ASA), Michigan Chapter	Award of merit of \$100 for the effective use of statistical methods in the science fair project	
ST-1 ASM-IN	ASM Materials Education Foundation	Certificate	
ST-1 USAF	United States Air Force	Certificate, messenger bag, card reader/writer, custom single speaker, and a beta adapter set.	
Samuel Maher	The construction of a price reduced 3D printed turbidity meter	Mark Hellebucyk	Arthur Hill High School
Place Code	Organization Name	Organization Description	
Schol KU	Kettering University	\$20,000 four year scholarship to Kettering University, payable at \$5,000 per year for 4 years	
ST-1 USNAVY	United States Navy	letter of congratulations; certificate of achievement; a medallion; and \$70 award gift card	
ST-1 YALE	Yale Science & Engineering Association, Inc.	Certificate and Pewter Medallion	
Stephanie Camarena	Direct measurement of pH of Atmospheric Aerosol Particles	Sonya Ross	Cass Technical High School
Place Code	Organization Name	Organization Description	
ST-H ASA	American Statistical Association (ASA), Michigan Chapter	Certificate of recognition for the use of statistical methods in the student's science fair project	
ST-1 USAF	United States Air Force	Certificate, messenger bag, card reader/writer, custom single speaker, and a beta adapter set.	
Tina Pakko	Wind Noise Reduction Device for the Hearing Impaired	Brian Taylor	Dearborn Center for Math, Science & Tech
Place Code	Organization Name	Organization Description	

CertificateName	Title	Teacher	School	Organization Name	Organization Description
ST-3 ASA	American Statistical Association (ASA), Michigan Chapt	Award of merit of \$100 for the effective use of statistical methods in the science fair project			
Varun Sathyan	Cloud-based Data Preparation for Medical Observational Research	Rachel Peterson	Troy Athens High School		
Place Code					
ST-H ASA	American Statistical Association (ASA), Michigan Chapt	Certificate of recognition for the use of statistical methods in the student's science fair project			