

D. Brown is Jeremy doctoral candidate in Mechanical Engineering at the University of Michigan. He is a Rackham Merit Fellow and a NSF Gradate Research Fellow. Jeremy attended Morehouse College and the University of Michigan as a participant of

the Atlanta University Center's Dual Degree in Engineering Program. He graduated from both institutions with a B.S. in Applied Physics (Morehouse) and Mechanical Engineering (UM) in 2008. He participated in research abroad at Shanghai Jiao Tong University in Shanghai China and at the University of Michigan partially funded by the MI-LSAMP.



Victoria A. Washington is a senior in Chemistry at the University of Michigan. She participated in the Detroit Area Pre-College Engineering Program in high school. As an undergraduate, Victoria participated in research funded by the MI-LSAMP and has

had an article published in the Molecular Physics Journal. She served on two panels during the 2011 Undergraduate Research Symposium. She shared her experience working in a lab and discussed the journey to being an author on a published paper.



Virgil D. Humes is a commissioned officer in the U.S. Navy. He is the Repair Division Officer (Engineering Department) on the USS Stethem in Yokosuka, Japan. Virgil attended Morehouse College and the University of Michigan as participant in the Atlanta University Center's Dual Degree Engineering

Program. He graduated from both institutions with a B.S. in General Science (Morehouse) and Chemical Engineering (UM) in 2010. As an undergraduate Virgil participated in research at the University of Michigan in the Thompson Research Group. Dr. Levi Thompson is the Richard E Balzhiser Collegiate Professor of Chemical Engineering and the MI-LSAMP Co-PI.



Aisha Harris is a senior in Chemical Engineering at the University of Michigan. Aisha is a recipient of the Scholar Power Award and in 2010 was the Vice President of the National Society of Black Engineers at the University of Michigan. Aisha participated in the Professionals in Training Summer Program at the University of Michigan and

the Summer Undergraduate Research Academy at Michigan State University. Aisha has been initiated into the Epeians Leadership Honor Society in the College of Engineering.



Melissa Seaton received her B. S. in Program in the Environment from the University of Michigan in 2010. She is currently enrolled in the Master of Science program at the Harvard School of Public Health studying Environmental with a specialization Health Occupational Hygiene and Hazardous Substances. She is fully funded by the

National Institute of Occupational Safety and Health as a part of the Education Research Center. She completed an internship at Sandia National Laboratories in Albuquerque, New Mexico and in January spent 3 weeks in Limassol, Cyprus studying Environmental Genetics. As an undergraduate she participated in research funded by the MI-LSAMP.



Stephen Richardson received his B.S.E. in Electrical Engineering from the University of Michigan in 2010. Stephen participated in research funded by the MI-LSAMP. The experience he gained not only allowed him to connect theory to practical

application but it also taught him how to work independently and to effectively communicate his findings to several types of audiences. Stephen works for a control's engineering firm in Auburn Hills, Michigan and is currently stationed at the General Motors Car Assembly plant in Canada.



Elizabeth A Caliman is a senior in Cellular Molecular Biology at the University of Michigan. Along with participating in the Summer Undergraduate Research Academy at Michigan State University, she presented her

research at a poster session at the Research on the Hill event. In 2010 she received the University of Michigan Health Systems Distinguished Volunteer Student Award. Elizabeth received the Alumni Association of the University of Michigan's LEAD Scholarship and the James and Hazel Lee Hughes Scholarship.



Jayar (Harold) Smith is a senior Civil & Environmental Engineering at the University of Michigan. Jayar attended Morehouse College and is a participant in the Atlanta University Center's Dual Degree in Engineering Program. The MI-LSAMP funded his research. He also interned with Hensel Phelps Construction in California for two

summers (2010 and 2011). Jayar is a Scholar Power Rising Student Honoree. He is also the recipient of the Julius F. Bartus Endowed Memorial Scholarship.



Edgar Watson, II is a senior in Computer Science Engineering at the University of Michigan. Participating in research funded by the MI-LSAMP provided the opportunity for Edgar to gain experience in his field of study. During

the 2011 summer Edgar worked as a programmer in the Office of University Development at the University of Michigan.



Chinazo Obiejesi is a senior in Mechanical Engineering at the University of Michigan. She was on the Dean's list in 2007 and 2010. Chinazo participated in MI-LSAMP funded research in the combustion laboratory. This experience helped her understand the importance of biogas as a great alternative to natural gas and crude petroleum.



Michael Foster is from Detroit, Michigan and currently attends Western Michigan University (WMU). He expects to graduate in the year 2014 with a Bachelor of Science in Manufacturing Engineering Technology (MFT). He chose to pursue MFT because he enjoys using his head and hands to fix materials, and is

interested in metal casting, plastic processing, robotics, and product design. After graduating, Michael plans to work with manufacturing operations for General Motors or Daimler Chrysler. He attended the LSAMP program in the summer of 2010. LSAMP significantly prepared him for college courses, jobs, and research; and aided him with finding lifelong friends and familiarize himself with the WMU campus. When he started his freshman year, he was entirely adjusted to WMU while other freshmen were having a difficult time.

Adeel Khan graduated with a Bachelor of Science in Chemical Engineering from Western Michigan University in

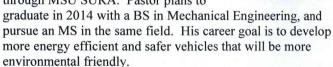


2011. In 2009 he conducted research at Michigan State University in the Electrical and Biological Nanostructures Laboratory as part of the Summer Undergraduate Research Academy (SURA). He worked on developing a prosthetic for spinal cord injuries using electrospun polyamide carbon nanofibers. Adeel presented his research at the MI-

LSAMP Undergraduate Research Symposium in January 2010, and the Mid-East Honors Association in 2011where he received first place in the poster competition. In July 2011, Adeel began working for Kellogg's as an Assistant Food Technologist providing support in cereal process up-scaling.

Pastor Hurtado grew up in Mexico with ten sisters and one brother, where it was difficult to ever dream of going to college. Pastor and his family moved to Michigan when he

was 10 years old, and he later became class valedictorian. He is the fifth oldest in his family and the first one to attend a University. At Western Michigan University he is studying Mechanical Engineering, and became part of LSAMP. LSAMP led me to a very good first year and to my first research experience through MSU SURA. Pastor plans to





Scarlet Davis is from Southfield, Michigan. She is a sophomore majoring in biochemistry at Western Michigan University because she enjoys chemistry, and hopes to someday help the world be a better place with her work. During summer 2011, Scarlet worked at the John D. Dingell VA Medical Center in Detroit Michigan. She worked in Dr. Majumdar's lab researching colon cancer.

Scarlet plans to graduate in 2014. LSAMP has helped her understand how important networking is and how it is a good idea to have an internship whenever possible.

Natasha Wadhwa is a senior at Western Michigan University seeking a BS in Biomedical Sciences along with a dual minor in Chemistry and Psychology to be completed in May 2012 after only three years. As a MI-LSAMP Research Scholar, she sought opportunities and funding as a



freshman, and accepted an independent Chemistry research project. She presented her research at several conferences including an ACS National Meeting, and was also awarded 3rd place at the MI-LSAMP Research Symposium in January 2011. She has been involved in extracurricular and volunteer activities, and is an executive board member for the Health Professionals Society; and a student leader, resident assistant, and tutor for the LSAMP summer program in 2010 and 2011. Natasha plans to pursue a doctoral degree in Optometry.

Carlos Soto is a freshman student studying Aeronautical Engineering at Western Michigan University. He is born and raised in the Chicago area, and attended the LSAMP summer program at WMU in July 2011. Carlos is pursuing a degree in engineering because he wants to help society become more technologically advanced and help out his community. After he earns his bachelor's degree, he hopes to attend graduate school. LSAMP has helped Carlos get a better understanding of how schooling at a higher learning institution will work and has prepared him for the upcoming years as he works toward his goal of earning his degree in Aeronautical Engineering.

John Pringle is now a senior at Western Michigan University

studying Engineering Management after exploring several other STEM majors. He plans to graduate in the spring of 2013 with thoughts of graduate school. He decided he wanted a major in engineering after hearing and seeing what his father has done for work. John was in the July 2008 LSAMP summer program, and it definitely opened



up his eyes to the engineering and professional world. LSAMP helped him tremendously in many areas from just getting to know the campus to networking and interview skills. This helped John to get an internship at a major city planning company (HNTB) in the summer of 2010.

Stephanie Brown is from Lake Orion, MI and is enrolled at Western Michigan University. She is pursuing a degree in Biomedical Sciences and plans to graduate in the spring of

2012 with her degree, and minors in Psychology and Chemistry. She may stay an extra year to pursue a major in General Business. The Biomedical Science degree is the first step towards her goal of dental school. She has participated in the Wayne State University SURA (Summer 2009), and presented her work at the January



2010 MI-LSAMP Research Symposium. Stephanie was a peer mentor for the July 2011 summer program. MI-LSAMP has helped her thus far because it has exposed her to many opportunities that are available being a part of MI-LSAMP, such as the yearly research symposium and information about going to graduate school.



Wade Briggs is an Imaging Sciences student with a passion for knowledge. Even though he has declared a major, he wants to learn about things outside of my major. Only in his second year, Wade has had the opportunity to network with many individuals in his field of study. With the great Imaging Sciences

program offered at Western Michigan University, opportunities are presenting themselves in vast quantities. Being in the LSAMP summer program in July 2010 allowed him to make great friends that he still talks to today. His roommate, Michael Foster, was in the LSAMP program and they consider themselves to be brothers. Wade has a3.30 GPA, and plans to raise that to a 3.80 by the end of the year.

Jeremy Williams is from the Detroit suburb of Farmington Hills, and is a sophomore in chemical engineering and minors in biology, chemistry, and mathematics at Western Michigan

University. He is a peer mentor for engineering honors students, and secretary of the NSBE student chapter. He plans to apply his education toward research in biological or biomedical engineering, or nanotechnology fields. In summer 2011, I was an intern for General Motors and



NASA on the Robonaut 2 humanoid robot project. Jeremy assisted senior engineers with prototypes for future spin-off technologies to be used in GM's automotive assembly plants; and with plans for Robonaut 3 for future space exploration. He plans to graduate in May 2014 or 15 and attend graduate school at a later time. LSAMP helped him realize the possibilities and opportunities that are out there for undergraduates, especially minority students, where he can go out into the world and make a positive difference.

Demetri Edwards is from Chicago, IL, and is a sophomore majoring in Chemical Engineering at Western Michigan University. Pursuing this degree is vital to his future because



he wants to design chemical plants and produce efficient products dealing with chemicals. Demetri plans to graduate in spring 2014 and go to graduate school to get a Master's Degree. In summer 2011, he participated in an internship program with General Motors. The internship gave him real hands-on experience while working with engineers. LSAMP helped him by getting an

early feel for college so he could start his semester knowing more than what most freshmen knew. Demetri ended his freshman year with a 3.83 GPA. The LSAMP program is outstanding and he is glad to be a part of a helpful group.

Peyton Johnston is from Southfield, Michigan, and is majoring in Biomedical Sciences, and possibly minoring in Biology at Western Michigan University. Her goal is to attend medical school after graduating from Western Michigan University in 2015, and become either a Pathologist or a Surgeon. She was in the LSAMP summer program in 2011. LSAMP so far has exposed her to other students who also want to pursue a career in one of the STEM fields. To Peyton, it is important to associate with the right people who can help you to get through college, and you can help them as well.

Estreberto Marin is a fourth-year student in Engineering Management at Western Michigan University. He has worked the last two years for a small company based in Chicago and now works from his dorm room as a sales engineer as he continues his degree. Estreberto is an avid auto enthusiast and hopes to use what he has learned to open his own



business. Working with both the fields of engineering and management has taught him great respect for the business aspect of running a company, and the considerations that must be taken in designing a product before it is taken to market. LSAMP has done a great job in giving Estreberto opportunities to explore within different fields, and helped him to make a better decision as to where to direct his future.

Justen White is from the Detroit area, and graduated from Cass Technical High School. He is pursuing a degree in

Electrical Engineering with a minor in Automotive Systems at Western Michigan University. This field caught his attention because he loves cars and wants to be a part of the making of them. Justen wants to design the Infotainment systems to make driving a more relaxing and pleasant experience. He was part of the July 2010 LSAMP summer program and in summer



2011 worked for General Motors, which allowed him to get his foot in the door and meet many new people. LSAMP has helped him because it provides support. It makes college a bit easier and more fun, and helps take some of the stress off.

Herman Charles Washington is a second year student at Western Michigan University in pursuit of his Bachelor's



Degree in Mechanical Engineering. He is currently a part of the Lee Honors College and recently obtained the position of Engineering Peer Mentor, a job that entails an average of 15 hours a week tutoring and working closely with younger engineers still making the initial transition into the college setting. Aside from those two obligations,

Herman is also a part of the Martin Luther King Academy, an organization to promote diversity on campus as well as the success of students. Herman participated in the LSAMP summer program in July 2010.

Chris Hodge is a student at Western Michigan University majoring in Computer Information Systems, and is originally from Detroit, MI. LSAMP benefited him in many ways. Chris has made lifelong friendships and it has learned about

networking and broadening his horizons. He is a Specialist in the Army Reserve right now and when he graduates from college, he will be commissioned as a 2nd Lieutenant in the active Army. Pursing his degree helps me to be better at his job in the Army and will in the



long run make him a great leader. LSAMP helped him to become more open and able to talk to people. He loves this program and hopes to be affiliated with it for many years to come.

Kaylah Turner is a freshman enrolled at Western Michigan University, and participated in the LSAMP Program in July



2011 and it has helped her immensely. She plans to obtain a degree in Chemistry and then continue her education by going to graduate school. Kaylah also plans to do research during summer 2012 at either Wayne State University or Michigan State University through the LSAMP SURA program. LSAMP has helped her

so far by connecting her to others with similar interest and by connecting her with opportunities to help further her knowledge on programs in graduate school. Kaylah's plans to be a cosmetic chemist and t start her own cosmetic line.

Tyree Grasty is from Southfield, MI. His major at Western Michigan University is Engineering Management. He chose this because he wanted to learn skills that an engineer and a

manager both have. He wants a degree that is very versatile so that he can work anywhere. After he finishes his bachelor's degree, Tyree wants to start working on his master's. He participated in the 2009 LSAMP summer program so that he could get a jump start of how college life is and visit companies that would hire people in his field. LSAMP has helped Tyree



have a good relationship with some professors and have a good base of friends at college.

Shana Engram is a third-year student currently majoring in Speech Pathology with a minor in Elementary Education, after starting college as a paper engineering major. She plans to

work in a school system assisting children with speech disorders. She participated in the 2009 LSAMP summer program at Western Michigan University. LSAMP helped her gain lifelong resources as well as lasting memories. It also allowed Shana to become immersed in a network of people who, like herself, want to be achievers. She plans to graduate in Spring 2013.



Brandon Perry is a third-year Electrical Engineering student at Western Michigan, and expects to graduate in the spring of 2014. He is from Clinton Township, MI but was originally raised in Detroit. He participated in the July 2009 LSAMP



summer program, and has a passion for circuits and electronics that began very early in his upbringing, which made it easy when deciding his major. In Summer 2011 he received an internship with Consumers Energy, one of the largest utility companies in the state of Michigan, where he got his first taste of how the skills he gained in school translate to the work

force. After he graduates he hopes to continue his relationship with Consumers Energy and get as much experience as possible in his field as well as others.

Ariel Hamilton is from Detroit, MI and participated in the July 2009 LSAMP summer program at Western Michigan University, where she initially enrolled for Fall 2009. Ariel is currently enrolled at Kalamazoo Valley Community College, and plans to transfer back to WMU for the Spring 2012 semester. She chose engineering as her general field of



study because of its scientific principles of design and its ability to solve real life problems. LSAMP has prepared her for college but given her insight about potential careers, and has improved her networking and leadership skill. She has been an LSAMP mentor where she could share her personal experiences and build lifelong friendships. Ariel plans to graduate with a degree in Engineering Management, and work for Stryker and find a way to improve medical equipment.

Danielle Lewis is a senior at Western Michigan University, studying construction engineering. Although she did not

attend an LSAMP summer program, she has participated in LSAMP events at WMU since freshman year. She has learned many things about herself and what it means to be a great student as well as role model. Danielle is currently President of the National Society of Black Engineers (NSBE) student chapter at



WMU. Being the president helps her develop a better understanding of what it means to be a leader in today's society. Being an officer and a part of LSAMP has provided her with basic skills and an overall understanding when it comes to dealing with many individuals and their characteristics. Life is a learning experience and she is willing to continue to absorb all there is to learn.

DeQuan Woods is from Grand Blanc, Michigan. He first participated in LSAMP at Western Michigan University



during the July 2009 summer program. He has regularly participated in LSAMP events since that time, and was a peer mentor for students enrolled in the July 2011summer program. DeQuan is currently an Engineering Design Technology student. He chose this major because he enjoys drafting and designing products, dating back to his drafting class in high school.

DeQuan plans on getting a Co-op or Internship with Stryker and hopes that will lead to a permanent position thereafter. He feels that LSAMP has greatly influenced his college experience for the better, and helped DeQuan get through some of the more difficult times here at Western.

Kahlil Lewis participated in the LSAMP summer program in July 0211. He plans to major in neuroscience, and minor in political science. The LSAMP programs helped him get used to the campus so he knew where all his classes were. It also helped him be used to attending college courses such as math, science, and writing. LSAMP showed Kahlil how to manage his time well, meet new people, and join student organizations on campus. He feels LSAMP is an excellent summer program that will help many incoming freshmen for years to come.



Robert Conley 5th Year Senior Mechanical Engineering

Michigan State University (MI-LSAMP)

GPA: 3.2719

Expected Graduation Date: May 2012

Participant: 2007 Engineering and Science Summer Academy

Internships: Ford Motor Company (2010) &

General Motors (2011)



Lauren Thomas
4th Year Junior
Chemical Engineering
Michigan State University (MI-LSAMP)

GPA: 3.0774

Expected Graduation Date: May 2013

Participant: 2008 Engineering and Science Summer Academy

Co-Op: Marathon Oil (2011)



Grace Jones
5th Year Junior
Electrical Engineering
Michigan State University (MI-LSAMP)

GPA: 3.0797

Expected Graduation Date: December 2012

Participant: 2010 Summer Undergraduate Research Academy



Guilherme Dearaujo 4th Year Junior Chemical Engineering Michigan State University (MI-LSAMP) GPA: 3.5933

Expected Graduation Date: May 2013

Participant: 2009 Summer Undergraduate Research Academy



Crystal Caddell
3rd Year Sophomore
Electrical Engineering
Michigan State University (MI-LSAMP)

GPA: 3.1555

Expected Graduation Date: May 2014

Participant: 2009 Engineering and Science Summer Academy 2010 Summer Undergraduate Research Academy

Internships: General Motors (2011)



Ernest Jackson 3rd Year Sophomore Chemical Engineering Michigan State University (MI-LSAMP) GPA: 3.5520

Expected Graduation Date: May 2014

Participant: 2009 Engineering and Science Summer Academy 2010 Summer Undergraduate Research Academy



George Williams
3rd Year Junior
Civil Engineering
Michigan State University (MI-LSAMP)

GPA: 3.3090

Expected Graduation Date: May 2013

Participant: 2009 Engineering and Science Summer Academy 2010 Summer Undergraduate Research Academy Internships: Institute for Responsible Citizenship (2011)



Jazmine Gaymon
3rd Year Sophomore
Computer Science

Michigan State University (MI-LSAMP)

GPA: 3.3444

Expected Graduation Date: May 2014

Participant: 2009 Engineering and Science Summer Academy 2010 Summer Undergraduate Research Academy

Internships: Cummins (2011)



Tiberius Omar Fields is a Wayne State University, Mechanical Engineering student. He has received the Arthur Carr Scholarship and Consumers Energy 2010 Diversity Scholarship. He realized that STEM was for him in elementary school

when he began grasping scientific concepts at an exceptionally accelerated rate. As a result, he participated in DAPCEP (Detroit Area Pre-College Engineering Program) for multiple years which challenge him and introduced him to fundamental engineering and problem solving techniques. He is currently a Full time Undergraduate student, Student Assistant-Housing Resident Advisor, Part time high school Science Tutor with TRIO Upward Bound Program.



Caleb B, Latimer, a Wayne State University sophomore. He is pursuing Bachelor of Science in Electrical Engineering. He is enrolled fulltime with 14 credit hours at Wayne State University and part time employed at two locations. He is an MI-LSAMP Scholar, Darrius G. Jackson Scholarship and Tanji Wiarbe

Scholarship recipient. He realized Engineering was for him in Career Tech School, during his junior year of high school. This past summer he participated in the MI-LSAMP Summer Undergraduate Research Academy.



Winston Spencer is a senior undergraduate student at Wayne State University pursuing a Bachelors of Science in Mechanical Engineering. He has earned several semesters on the College of Engineering's Dean List,

Robert T. Marshal Scholarship, Michigan Competitive Scholarship and the Math Corps Presidential Scholarship. He found out engineering was for him during his senior year of high school being heavily involved in his school's F.I.R.S.T robotics team. He has been an Undergraduate Research Assistant in an Electrical Engineering SSIM lab, Undergraduate Research Assistant in an Optical Diesel Engine Lab, Engineering intern for American Axle and Manufacturing, and Engineering Apprentice at Denso International.



Margaret Thornton, as a Chemical Engineering student at Wayne State University, Margaret worked in the Tissue Engineering and Biomaterials laboratory and presented at two highly recognized conferences. In addition, she participated with the MI-LSAMP Research Program. It was in this Tissue Engineering and Biomaterials laboratory that she discovered how much she enjoyed this type of work and wanted to pursue it further. Currently, Margaret is

working on her masters in biomedical engineering. After finishing her masters, she plans to pursue her PhD in biomedical engineering.



Jullian Kelley-McBride is currently a junior at Wayne State University. He is studying Computer Science. He realized that STEM was his passion in high school, after the completion of a vocational course in Information Technology (IT). In 2007, he interned

in the IT department of the former Comerica Bank World Headquarters. He currently works in the WSU College of Nursing IT Department. This past summer, he participated in the Summer Undergraduate Research Academy, in WSU's Computer Science Department where he worked with Dr. Robert Reynolds and his graduate students in the Artificial intelligence lab, On the Alpena-Amberley land bridge



Jerrell Mitchell is a junior at Wayne State University pursuing Bachelor of Science in Industrial & Systems Engineering. He has received several awards such as MI-LSAMP Scholar, CAE Scholar, and Emerging Scholar Program

Scholar. He realized his interest in STEM fields while in high school. He took a variety of engineering courses that exposed him to modern software such as "AutoCAD" and "Inventor Pro" as well as manual drafting. Those courses not only gave him a true hunger and interest in STEM fields but also gave him a solid foundation that is still utilized in current courses. He recently returned from a study abroad program that allowed me to explore South Africa.



JerMel Stephens currently attends Wayne State University to study Chemical Engineering with a focus in Nanotechnology and Molecular Engineering. He has interned at DTE Energy for two and a half rotations, as well as GM this past summer. He is also scheduled to complete another rotation with GM next summer. As part of the MI-LSAMP

program, he participated in undergraduate research at Wayne State in the Chemistry and Engineering department. He has also received additional funding from the Michigan Space Grant Consortium to continue his research. His goal is to start his career in the area of pharmaceutical while furthering his educational career in graduate school.



Malik Ware, a Senior Mechanical engineering student of Wayne State University. As a Dean's list and honor roll student, he is pursuing a Bachelors of Science in Mechanical Engineering with a minor in mathematics. He has been awarded the

Urban Scholar leader scholarship, Osakwe Jahi award, and Math Corps scholarship. He has been a part of MI-LSAMP since the fall of 2007. Since, he has had the opportunity to participate in machining and tool wear research at Michigan State University. Also, he is working for the Math department as an undergraduate assistant.