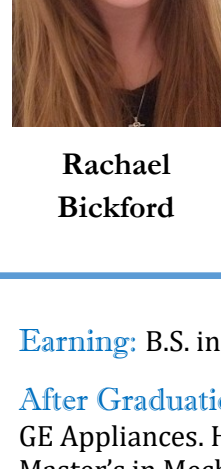


Jesup Scott Honors College Fall 2020 Medallion Recipients

College of Engineering



**Rachael
Bickford**

Earning: B.S. in Chemical Engineering with minors in Chemistry and Business Administration

After Graduation: Rachael will join INEOS Pigments as a Manufacturing Engineer following graduation.

Capstone: She developed for her Honors thesis a technique to slowly release herbicides using coacervates, extending the effectiveness of the herbicide over an entire season.

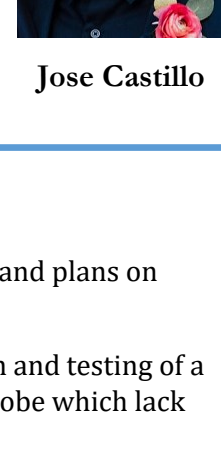
Favorite Memory: Apart from the opportunity to prepare for her career through research like this, she will never forget the thrilling trips with other Honors students to HaloWeekends at Cedar Point.

Earning: B.S. in Mechanical Engineering

After Graduation: Jose has accepted a position as an Edison Mechanical Engineer with GE Appliances. He will simultaneously enroll at the University of Louisville to pursue a Master's in Mechanical Engineering.

Capstone: He helped fashion for his capstone project a portable generator powered by pedaling a bike that will be used by Metroparks Toledo.

Favorite Memory: The effort ranks among the highlights of his college career. "It was awesome to contribute to something directly benefiting Toledo's Metroparks, and I look forward to seeing the impact that it has down the road," he stated.



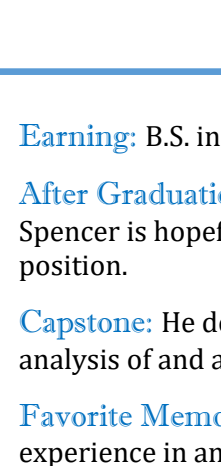
Jose Castillo

Earning: B.S. in Chemical Engineering with a minor in Chemistry

After Graduation: Gerrett will continue his job search after graduation and plans on eventually opening his own business.

Thesis: He aimed in his thesis to create a modeling system for the design and testing of a water purification unit that can be installed in communities across the globe which lack clean drinking water.

Favorite Memory: An avid baseball fan, Gerrett will always remember the JSHC trips in the Spring to watch Toledo Mud Hens games. "I've loved baseball my whole life, so being able to go with the Honors group to eat a bunch of food, hang out with new friends, and enjoy the game was the best," he remarked.



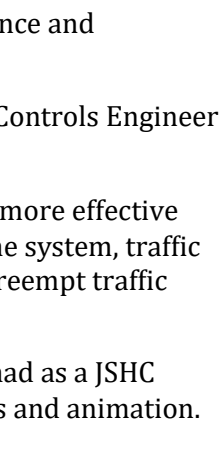
Gerrett Ellett

Earning: B.S. in Environmental Engineering and a minor in Business Administration

After Graduation: Aspiring to a job in the environmental, health, and safety field, Spencer is hopeful that his recent waste management co-op will lead to a full-time position.

Capstone: He designed for his capstone an Oak Openings gazebo, also completing a cost analysis of and an environmental impact statement for the project.

Favorite Memory: In addition to close friends made in the JSHC, Spencer cherished his experience in an Honors Ecology course. "I enjoyed our meetings at restaurants near campus to have deep discussions about class topics while also receiving career advice from the professor," he said.



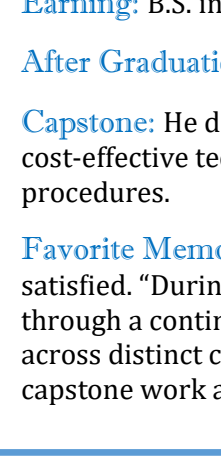
Spencer Gall

Earning: B.S. in Electrical Engineering as well as a B.S. in Computer Science and Engineering

After Graduation: Before the year ends, Michael will begin his job as a Controls Engineer with RP Gatta, Inc.

Capstone: He leveraged his tech savvy through his capstone to devise a more effective and safer traffic light preemption solution for emergency vehicles. Per the system, traffic lights would use location and path data from the emergency vehicle to preempt traffic lights sooner.

Favorite Memory: Michael prized the creative growth opportunity he had as a JSHC student to aid a professor in a programming project working on graphics and animation.



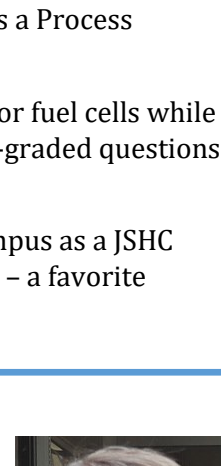
Michael Gillen

Earning: B.S. in Mechanical Engineering with a pre-law concentration

After Graduation: Aekansh plans to continue his education by pursuing a doctorate.

Capstone: He devised a cadaveric perfusion pump system for his capstone project. The cost-effective technology will train medical students to perform complex real-life vascular procedures.

Favorite Memory: Aekansh joined the JSHC to challenge himself – a goal he has surely satisfied. "During HON 1010, I cultivated my analytical and intellectual capabilities through a continuous exchange of ideas in society during different time periods and across distinct cultural contexts," he said. Now a senior, this path has culminated in his capstone work advancing healthcare.



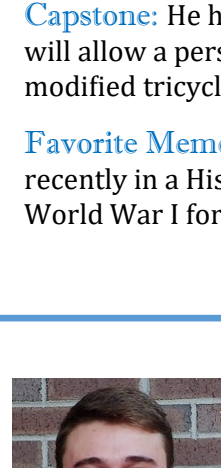
Aekansh Goel

Earning: B.S. in Chemical Engineering and a minor in Chemistry

After Graduation: The Lubrizol Corporation will soon welcome Luke as a Process Development Engineer following graduation.

Thesis: For his thesis, Luke characterized anion exchange membranes for fuel cells while also measuring spreadsheet skills using copiable, randomized, and auto-graded questions within an interactive textbook.

Favorite Memory: The opportunity to hear John Quiñones address campus as a JSHC Distinguished Lecture Series speaker will not soon be forgotten by Luke – a favorite Honors memory alongside his HON 1010 and HON 1020 classes.



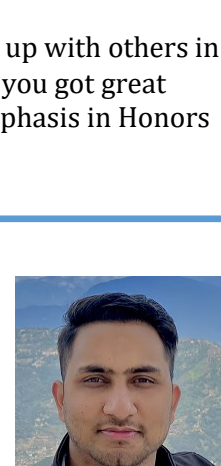
Luke Gorbett

Earning: B.S. in Mechanical Engineering

After Graduation: Before ultimately heading to law school to train as a patent attorney, Samuel will next seek out a mechanical engineering position.

Capstone: He helped create for his capstone project an electric pedal assist system that will allow a person who has trouble riding a standard bicycle instead capably operate a modified tricycle.

Favorite Memory: Samuel's interdisciplinary streak was nurtured by the JSHC, most recently in a History class where he investigated the role of engineering technology in World War I for an Honors Learning Contract.



**Samuel
Hargrove**

Earning: B.S. in Mechanical Engineering

After Graduation: Nicholas is joining FN America as a Quality Engineer.

Capstone: The focus of Honors classes on applied knowledge was an admirable display with his capstone work, where he aided in building a modified tricycle to provide a young girl with mobility issues a comfortable cycling experience.

Favorite Memory: "The most fun Honors memory I have is of grouping up with others in the JSHC to schedule for our next semester right at midnight – to ensure you got great classes with your close friends," he recalled. Nicholas also valued the emphasis in Honors classes of applying years of knowledge to solve real-world problems.



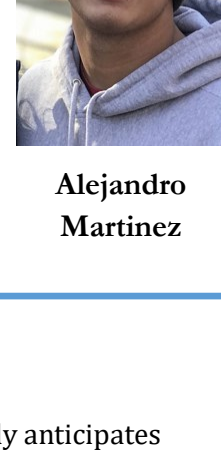
Nicholas Kern

Earning: B.S. in Mechanical Engineering

After Graduation: Sujan will continue looking for a job after graduation, possibly at the company where he is presently doing his co-op.

Capstone: The study of wind and particle dynamics formed the basis of his capstone project. For it, he worked to determine an ideal gas to be injected into a wind tunnel, the site of injection, as well as how the particles could be collected inside it.

Favorite Memory: Dr. Page Armstrong's HON 1010 ranks as Sujan's favorite, a fun course that featured trips to the Toledo Museum of Art and class outside once on a sunny day.

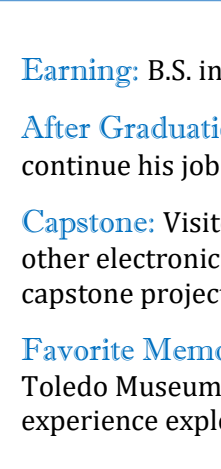


Sujan Kharel

Earning: B.S. in Electrical Engineering and a B.S. in Mechanical Engineering

After Graduation: Jenna is headed next to Holland, MI where she has accepted a position as a Controls Engineer for JR Automation.

Capstone: She contributed to the construction of a customized tricycle for a client impacted by limited mobility for her Honors capstone project.



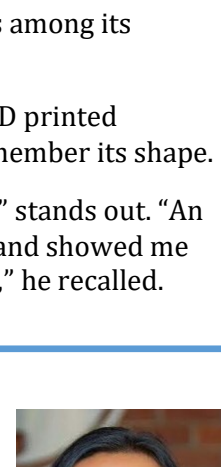
**Jenna
Lewandowski**

Earning: B.S. in Mechanical Engineering

After Graduation: Alejandro's search for a full-time engineering position will continue following graduation.

Capstone: Working with Metroparks Toledo as a client, he assisted in the creation of a portable bike generator for his capstone. The device can quickly attach to most bicycles through a trainer stand. The motor then makes contact with the back tire and spins when the bike is pedaled, creating power.

Favorite Memory: Though living off-campus kept Alejandro from attending much of his capstone, he is thankful for the enduring friendships he developed through the JSHC over the years.



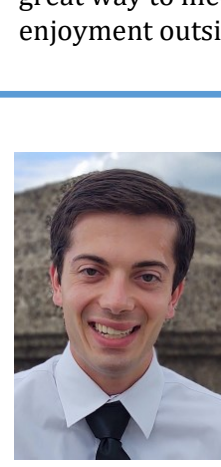
**Alejandro
Martinez**

Earning: B.S. in Mechanical Engineering

After Graduation: Though he has yet to accept a position, Jordan eagerly anticipates beginning his career as a mechanical engineer after graduation.

Capstone: The goal of his capstone was to devise, test, and analyze a nozzle capable of accelerating air in a supersonic wind tunnel to Mach 2 speeds.

Favorite Memory: The Honors curriculum offered Jordan an opportunity to get to know his professors better and work more closely with them. "I relished the extra projects I tackled in my Honors classes since they challenged me and really solidified my understanding of the course materials," he observed.



Jordan May

Earning: B.S. in Mechanical Engineering with a minor in Business Administration

After Graduation: Having already interviewed with a couple of companies, he will continue his job hunt after graduation.

Capstone: Visitors to Toledo's Metroparks may soon be able to charge their phones and other electronic devices using a bike-powered generator that Brent helped fashion for his capstone project.

Favorite Memory: "My favorite JSHC memory was taking HON 1010 and going to the Toledo Museum of Art," he said. "I had never been there before and it was a great experience exploring the unique pieces."



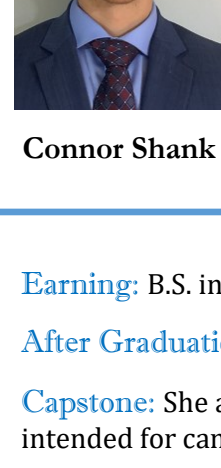
Brent Melhorn

Earning: B.S. in Mechanical Engineering with a minor in Entrepreneurship, Family, and Small Business

After Graduation: The Crown Equipment Corporation will count James among its Mechanical Engineers upon his graduation.

Capstone: James researched and prototyped for his capstone project 3-D printed orthodontic braces made from nitinol, an elastic metal alloy that can remember its shape.

Favorite Memory: Among his classes, an Honors section of "Calculus II" stands out. "An already challenging course, the Honors version pushed me to my limits and showed me what I was capable of from a honors-solving, mathematical standpoint," he recalled.



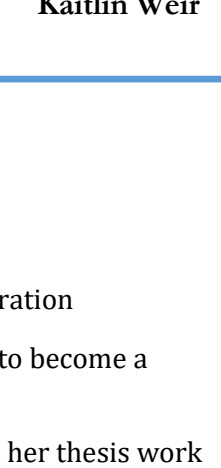
James Nickamp

Earning: B.S. in Electrical Engineering and a minor in Business Administration

After Graduation: Yaminee will next join Amazon as a Robotics Deployment Engineer.

Capstone: She sought to bring more accuracy to baseball calls with her capstone project, a device that uses an audio signal and sensor data to determine if a catcher intercepts the ball first or if a runner reaches the base first.

Favorite Memory: Though excited to start her career, she has been grateful for the occasional diversions from engineering provided by Honors. "The JSHC Book Club was a great way to meet people not in my major and gave me a platform to read for pure enjoyment outside of class," she noted.



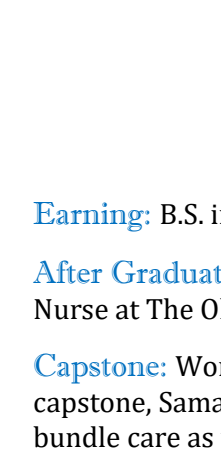
Yaminee Patel

Earning: B.S. in Chemical Engineering with minors in Business Administration and Chemistry

After Graduation: After years of hard work, Dan's recently accepted job offer from Nestlé to serve as a Maintenance Engineer was sweet news!

Thesis: He established a method for extracting oils from spent coffee grounds using an accelerated extraction unit for his thesis.

Favorite Memory: "My standout academic memory was HON 1010 with Dr. Larry Connin," he shared. "Each class engaged us in several discussions about different books we were reading, often getting us to challenge the way we thought about a slew of topics."



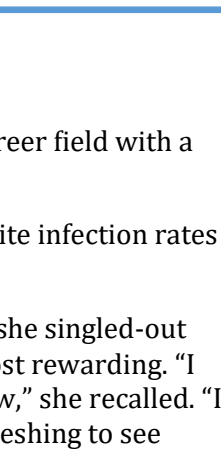
**Dan
Reichenbach**

Earning: B.S. in Computer Science and Engineering with a minor in Visual Effects and Animation

After Graduation: Jacob will next attend a graduate program in computer science.

Capstone: He aided in his capstone project to develop an affordable means to audio monitoring devices currently on the market. His product also allows musicians and other stage performers to customize the sound they receive through it using a phone app.

Favorite Memory: "This project has been more in-depth than any other in my college career and thus has held great meaning for me – teaching me a lot about technologies not covered in my major," he said.

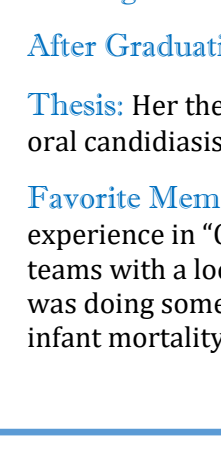


Jacob Schupp

Earning: B.S. in Chemical Engineering plus minors in Chemistry and Professional Sales

Thesis: Connor's thesis work sought an improved design for a point-of-entry water purification unit that can be installed globally in areas that do not have access to safe, clean drinking water.

Favorite Memory: "Working on my Honors thesis has brought me many opportunities throughout my education that I will always cherish," he shared. "It allowed me to travel to new countries such as El Salvador and have a meaningful impact on these communities."



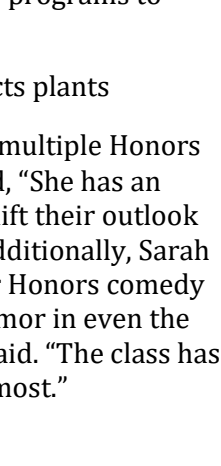
Connor Shank

Earning: B.S. in Mechanical Engineering

After Graduation: Kaitlin plans to enter the job market in the weeks ahead.

Capstone: She assisted for her capstone in producing a bike-powered generator intended for campers and other guests of the Toledo Metroparks.

Favorite Memory: Beyond the Honors Learning Contract to Cedar Point and elsewhere spent hanging out with friends, she will miss the diversity of thought emphasized in Honors classes. "I appreciated the change of pace represented by courses like HON 1020, where we learned to think more creatively by studying music and relating that to our reading and writing," she said.



Kaitlin Weir

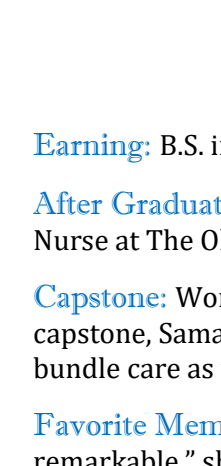
College of Health and Human Services

Earning: B.S. in Exercise Science with a pre-physical therapy concentration

After Graduation: Morgan will attend graduate school in the Carolinas to become a physical therapy assistant subsequent to graduation.

Capstone: In recognition of its terrible toll on our society, she dedicated her thesis work to exploring the causes of and possible solutions to the opioid epidemic.

Favorite Memory: Morgan's favorite Honors classes are also current ones, including Dr. Carla Patten's "Black Lives in America" seminar and Dr. Ashley Pryor's "Comedic Writing & Performance" seminar.



Morgan Insksep

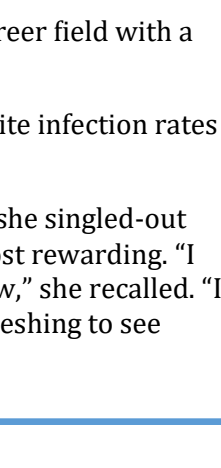
College of Nursing

Earning: B.S. in Nursing

After Graduation: Samantha will soon start as an Orthopedic/Trauma Registered Nurse at The Ohio State University Wexner Medical Center.

Capstone: Working with a ProMedica Quality Improvement research team for her capstone, Samantha investigated best practices for using pre-operative antibiotics and bundle care as well as antimicrobial skin prep.

Favorite Memory: "My experience as a JSHC Student Ambassador has been absolutely remarkable," she noted. "I've met some incredible students from all different majors, and I will never forget reaching out to prospective Rockets to be a part of their journey to UT Toledo."



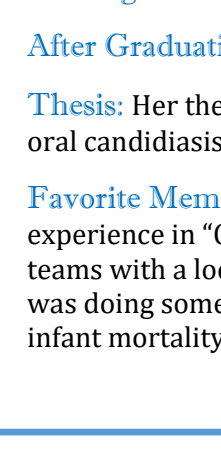
**Samantha
Brown**

Earning: B.S. in Nursing

After Graduation: Kayla will now begin transitioning to the Nursing career field with a goal of serving in an operating room.

Capstone: For her capstone project, she studied how to lower surgical site infection rates alongside a ProMedica team at a local hospital.

Favorite Memory: Despite finding value in each of her Honors classes, she singled-out Dr. Mary Templin's "Utopia in History and Literature" seminar as the most rewarding. "I thought the course content was interesting and relevant for life right now," she recalled. "I loved the opportunity for friendly debate about the topic, and it was refreshing to see something from so many points of view."



Kayla Clough

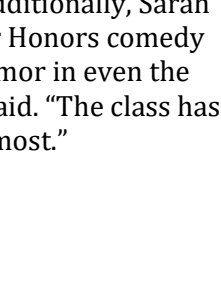
College of Natural Sciences and Mathematics

Earning: B.S. in Biology with a pre-med concentration and a minor in Chemistry

After Graduation: Nora is now applying to medical schools.

Thesis: Her thesis examined the role of megakaryocytes in fighting the fungal infection oral candidiasis.

Favorite Memory: Among her Honors courses, Nora was particularly moved by her experience in "Community Engagement." The class partners students in multi-major teams with a local non-profit organization to tackle an obstacle facing them. "I felt like I was doing something real for Toledo with our grant proposal to reduce the disparities in infant mortality rates among various ethnic groups in the city," she said.



**Nora
Abdoul-Aziz**

Earning: B.S. in Biology with a minor in Chemistry

After Graduation: Sarah will continue working next semester in the lab where she has conducted her thesis research. Following that, she will apply to graduate programs to study molecular biology.

Thesis: Her thesis focused on the Cauliflower mosaic virus – which infects plants

Favorite Memory: Though thankful for her powerful interactions with multiple Honors faculty, two in particular shine brightest. About Dr. Templin, Sarah noted, "She has an extraordinarily open mind and poses questions that allow students to shift their outlook and thus understand a variety of subjects from a different viewpoint." Additionally, Sarah applauds Dr. Pryor's efforts to create a safe haven for the students of her Honors comedy seminar this semester amidst a pandemic. "She has taught me to find humor in even the bleakest things and to look closely at what makes people laugh," Sarah said. "The class has brought me joy and has demonstrated compassion at a time I needed it most."

Sarah Jacques