



*2023 annual awards gala
& 110th anniversary celebration*

CIVIL ENGINEER OF THE YEAR

JIDONG J. YANG, PH.D., PE

Drawing upon more than two decades of experience in the U.S. transportation sector, Dr. Yang stands as an accomplished industry expert and transportation professor at the University of Georgia's College of Engineering. With a remarkable research background, Dr. Yang has obtained several patents and published extensively on various facets of transportation. His current focus revolves around the development of machine learning and deep learning methods and techniques, as well as harnessing the power of contemporary "Big Data" for a wide array of engineering applications. Dr. Yang's commitment to education shines through his mentorship of students across diverse fields and academic levels. Furthermore, his active involvement in the transportation community is evident through his service in esteemed editorial boards and committees such as Editorial Board of ASCE Journal of Infrastructure Systems, TRB AED50 Committee on Artificial Intelligence and Advanced Computing, ASCE T&DI Artificial Intelligence Committee, among others. Acknowledged for his outstanding contributions, Dr. Yang has been the recipient of several notable awards, including the Excellence in Teaching Award from the National Society of Leadership and Success, outstanding reviewer awards from the ASCE Journal of Infrastructure Systems, and Young Professional Scholarship Award from ITE.





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YOUNG CIVIL ENGINEER OF THE YEAR

DAVID GLASSMAN , PE

David is a Structural Engineer with KCI Technologies in Atlanta, GA, with a focus on Construction Engineering and Bridge Design. He earned his Bachelor's Degree in Civil Engineering from the University of Southern California.

David is involved with a variety of organizations within ASCE. He is currently serving as an officer with the Structural Engineering Institute, Younger Member Group, and South Metro Branch, in addition to working with the UGA ASCE Chapter as Practitioner Advisor.

David is an avid Georgia football fan and enjoys all things outdoors, especially fishing, golf, kayaking, and fishing. (Yes, he really enjoys fishing!)





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VOLUNTEER OF THE YEAR

SAM DENNARD, EIT

Sam is a Transportation Engineer with Columbia Engineering in Duluth, GA, with a focus on Roadway Design. He earned his Bachelor's Degree in Civil Engineering from the Georgia Institute of Technology. Sam serves as the YMG Hospitality Chair and is a former Concrete Canoe Captain with the Georgia Tech ASCE Chapter. Sam has been a consistent presence at the monthly Georgia ASCE meetings, serving as a friendly face at the registration table to help check members in and distribute PDH hours to them. Sam also enjoys traveling domestically and internationally, he recently got to visit Crater Lake National Park in Oregon.





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CIVIL ENGINEERING STUDENT OF THE YEAR

GEORGIA INSTITUTE OF TECHNOLOGY



LISA WU



Lisa Wu is a first-year graduate student in geotechnical engineering at Georgia Tech. She graduated with a bachelor's degree in December 2022 concentrating on construction engineering. During her past 4 years at Georgia Tech, she has continuously worked part-time and been heavily involved in the CEE organizations. Since 2021, she has served as an executive officer for GT ASCE as well as held officer positions in her sorority. She served as the past captain for the Construction Institute and won 2nd and 3rd place during the Regional ASCE Conference in 2022 and 2023, respectively. A few months ago, Wu was nominated for this year's ASCE New Faces of Civil Engineering award and the Student Leader of the Year Honoree award for Georgia Tech. This summer, Wu is working for Tesla in Corpus Christi, TX building a lithium refinery as a construction management project intern. After graduation, Wu aspires to be a project engineer who can combine both construction and geotechnical engineering skills to design and deliver projects that are safe, sustainable, and resilient.



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CIVIL ENGINEERING STUDENT OF THE YEAR



CARTER HENDERSON

Carter Henderson is a senior in the civil engineering program at Kennesaw State University. Throughout his college career, Carter has excelled in his coursework and has maintained a 4.0 GPA. He has also been an active participant in the KSU Steel Bridge Team, in which he is president this year. The team placed first in the construction speed category at the 2022 nationals competition, demonstrating the time and work commitment of the team. After graduation, Carter will be joining Enercon Services, Inc. as an intern in their structural department.



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CIVIL ENGINEERING STUDENT OF THE YEAR

MERCER UNIVERSITY



BENJAMIN JONES



Ben Jones is a civil/structural engineer at Enercon Services. Growing up in Ellijay, Georgia, he participated in many activities such as soccer, wrestling, and chess club. Ben attended Mercer University where he joined the ASCE student chapter and served as an outreach coordinator. Working to recruit students into the chapter, Ben assisted in growing the new chapter and competing at the ASCE Student Symposium. He spent time encouraging and supporting the members that were present to press through the challenges of making Mercer University's first concrete canoe. Ben's plans are to buy a house in Canton, Georgia, and help his wife pursue her career in chiropractic care.



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CIVIL ENGINEERING STUDENT OF THE YEAR

UNIVERSITY OF GEORGIA



ARTHUR TARAN



Arthur is a highly accomplished Civil Engineering Student, earning a Bachelor of Science in Civil Engineering from the University of Georgia College of Engineering. In addition to being accepted to the prestigious University of Georgia Terry College of Business Pathway MBA Program, Arthur has excelled in various internships, contributing to numerous utility, infrastructure, and other civil engineering projects. As Vice President, Conference Chair, and Concrete Canoe Captain of the American Society of Civil Engineers UGA Student Chapter, Arthur has demonstrated exceptional leadership and dedication to the profession. He is currently working for Elon Musk's The Boring Company. His achievements reflect his commitment to excellence and integrity.



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PROJECT OF EXCELLENCE

VIBE AT ECHO WEST





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PROJECT OF EXCELLENCE | VIBE AT ECHO WEST

Situated along Atlanta's BeltLine, Vibe at Echo Street West is a dynamic component of the Echo Street West master development, redefining the living experience in Atlanta's Westside neighborhood. This vibrant community showcases 292 units, 26,000 square feet of retail space, exceptional amenities, and breathtaking skyline views of the city.



Vibe at Echo Street West has transformed a once neglected brownfield site into a thriving and inclusive neighborhood. Twenty percent of the project's 292 units are dedicated to affordable housing, creating a dynamic community that reflects the diverse fabric of Atlanta. Its strategic location along the BeltLine provides direct access to a vibrant network of parks, trails, and amenities. Throughout construction, the Juneau Construction team partnered with Atlanta CoLab, an organization actively working towards the revitalization of the local community in Atlanta. We organized a career day for underprivileged youth to experience a day in the life of a construction superintendent firsthand while reviewing drone aerials and undergoing the punch process. In addition to our community outreach, we also implemented innovative processes throughout construction to ensure the highest level of quality control. We partnered with DroneDeploy to proactively identify any constructability issues, perform accurate measurements, and document progress in real-time through our reality capture program. This ensured all work was done right the first time, keeping our schedule and budget on track throughout construction. This residential component of the Echo Street West Master Development required meticulous planning and coordination as three general contractors worked simultaneously on site. Enhanced logistics planning and schedule tracking ensured that this transformative development was a success from day one.



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PROJECT OF EXCELLENCE | VIBE AT ECHO WEST

The integration of innovative processes used throughout the construction of the project is another notable contribution. The Reality Capture program at Juneau utilizes above-industry standard tools and techniques to document the built environment, based on delivering best-in-class quality. Our thorough photo documentation procedures throughout the project lifecycle identify and address any issues during construction to avoid costly rework.

Juneau partnered with DroneDeploy on this project, providing weekly 2D orthomosaic maps, 3D photogrammetry models, 360-degree panoramas, and full-site aerial progress videos. The project team used this drone data to instantly measure distance, elevation, area, and volumetric quantities. In-house 3D laser scanning was provided on the project during the construction of the podium in conjunction with the coordinated Building Information Model (BIM) to create deviation reports ensuring accurate and detailed scans. Additionally, we track construction progress for all trades weekly utilizing 360-degree walkthroughs. By utilizing reality capture technology, Juneau can proactively identify issues, perform accurate measurements, and document progress in real-time, ensuring that the work is done right the first time.

Vibe also prioritizes connectivity and convenience. Its strategic location along the BeltLine provides residents with direct access to a vibrant network of parks, trails, and amenities. The design of the mid-rise building seamlessly integrates with the Westside Beltline Connector trail, encouraging active transportation and fostering a healthy lifestyle. There is no traditional "front door," but rather an open concept that seamlessly integrates residents with the surrounding community. This approach fosters a sense of local engagement, where residents can effortlessly work, shop, and dine within their neighborhood.

Overall, the Vibe at Echo Street West project in Atlanta offers a multitude of benefits, from its commitment to diversity and innovative quality to its emphasis on connectivity and community. By blending modern design, thoughtful amenities, and an accessible location, Vibe sets a new standard for urban living and creates a vibrant and inclusive neighborhood that residents can proudly call home.





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PROJECT OF EXCELLENCE

CHESHIRE BRIDGE REPLACEMENT OVER SOUTH FORK PEACHTREE CREEK



On August 5, 2021, fire destroyed the structural integrity of the original Cheshire Bridge over South Fork Peachtree Creek. For the safety of the walking and driving public, the bridge was closed to foot and vehicle traffic. ATLDOT selected a design-build project delivery model to accelerate replacement of the damaged bridge in a high-quality and cost-effective manner. The design-build model combines design and preconstruction-related services with construction into one contract to reduce the project delivery schedule. The Cheshire Bridge replacement benefitted the community by providing commuters and pedestrians access to businesses on the south and north sides of Cheshire Bridge Road. Once the bridge was replaced and the road reopened, travel time immediately decreased when the five-mile detour around Piedmont Avenue to Lindbergh Drive to the other side of Cheshire bridge Road was removed. Utilities attached to the bridge were also upgraded giving residents and businesses better gas, water, sewer, fiber and power service. The project did not just put back the bridge but put it back better by adding enhanced bicycle and pedestrian facilities. These were done with the multimodal, Vision Zero plan as a driving force.





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PROJECT OF EXCELLENCE | CHESHIRE BRIDGE REPLACEMENT OVER SOUTH FORK PEACHTREE CREEK

The project was an emergency design-build of Cheshire Bridge Road over South Fork, Peachtree Creek. The existing right-of-way is 40 feet from the existing centerline of road on both sides. The current bridge is 192 feet in length and 52 feet in width. The new proposed structure is designed to be 195 feet in length and 70 feet in width with four 11 feet wide lanes, 8 feet wide sidewalks on both sides and 5 feet wide bicycle lanes on both sides. No additional right-of-way acquisition is anticipated. The project also includes the resurfacing of Cheshire Bridge Road from Lenox at Buford Highway to Cheshire Bridge Road at Piedmont Rd. Resurfacing included milling and replacement of 4 inches of asphalt (not including GAB) from shoulder to shoulder (curb to curb). Resurfacing also included the adjustment of minor utilities including water valves and water meters as well as larger structures including the adjustment of drop inlets, catch basins and manholes. Damaged loops were also replaced during the resurfacing. The contractor was responsible for preparing all necessary construction plans and specifications, obtaining Nationwide 14 Army Corps of Engineers Section 404 permit, and constructing the project. The project required total bridge replacement, signing, and pavement markings.



Risks involved associated with the Cheshire Bridge replacement included: significant utility coordination with relocations and upgrades. Sewer and water lines crossing the bridge had to be realigned and upgraded. Two major fiber company's infrastructure –Zayo and Lumen–had to be removed from under the road and reconnected under the bridge for any future development. Zayo's fiber could not be relocated until after Superbowl LVII. Communication with the public about anticipated service disruptions as the water, gas and sewer lines were being relocated also were vital to the success of the project. Notifications were sent via the print, social media and other electronic platforms in a timely manner to keep residents and businesses in the area of construction progress, milestones, and impacts. There was close coordination with the Councilmember representing this district to keep the community informed and engaged.



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PROJECT OF EXCELLENCE

FULTON COUNTY ANIMAL SERVICES FACILITY



This project included a 55,789 SF animal service facility with a project site of approximately 10 acres. Lowe was responsible for coordinating with 13 other consultants to take the original concept and produce a full set of civil plans, hydrology study, and permits necessary to begin construction. Governing agencies included the FAA, GDOT, the City of Atlanta, and Fulton County to ensure designs aligned and met all standards necessary.





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PROJECT OF EXCELLENCE | FULTON COUNTY ANIMAL SERVICES FACILITY

The current main animal shelter at 860 Marietta Blvd. was built in 1978, when the expectation was that animals would be picked up in response to public complaints, held for a week, then euthanized if no one claimed them, said Matthew Kallmyer, director of the Atlanta-Fulton Emergency Management Agency, which oversees animal services.

That shelter was only designed to hold 120 to 150 animals, and wasn't set up to promote adoption, said Alton Adams, Fulton's chief operating officer for Justice, Public Safety and Technology. As an example, there are over 100 dogs with nowhere to go due to dog flu, and in some cases leading to difficult euthanasia decisions. The purpose of the new facility is to expand the capacity and capabilities to treat and house more pets in the Fulton County area and ultimately keep people and their pets together.



Construction is well underway for Fulton County's new 50,000-square-foot Animal Services Facility, which will be projected to open in the fall of 2023.

"Fulton County is a world-class county, and we need a world-class animal shelter," said Chairman Robb Pitts. "Animal services are a high priority for our residents. The unanimous vote for this project shows that this is also a priority for the Board of Commissioners."



The new facility, located on Fulton Industrial Boulevard, was approved in 2020 by a unanimous vote of the Board of Commissioners. It is financed primarily through Fulton County Urban Redevelopment Authority Bonds, with a portion paid through capital improvement funds from user municipalities.



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PROJECT OF EXCELLENCE

CHILDREN'S HEALTHCARE OF ATLANTA NORTH DRUID HILLS HOSPITAL AND CAMPUS



The Children's Healthcare of Atlanta's North Druid Hills Hospital Campus is providing medical care and hope not only for the Atlanta Metropolitan area but also for children throughout the State of Georgia. The campus is unique as it strives for medical excellence not only within its walls, but also through an abundance of green space on its campus providing therapeutic benefits to the children and their family members. Studies have shown that children's recovery is expedited when they are surrounded by nature's greenery. Over 20 acres are dedicated to gardens, pathways, trails, and open space on the Children's campus. This green and open space also provides an opportunity for parents to decompress and re-energize, and thus continue to be a positive influence on their children and other family members. The campus will also provide a central location for the Children's medical clinical offices. Children with advanced medical conditions can visit multiple doctors' offices within the campus instead of having to travel across the city.

The design goal of the Children's Campus has been to provide "The Best for the Children" for 100 years. Constant thought and care have been provided by the ownership and design teams throughout the design and construction stages to ensure the children always come first.





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PROJECT OF EXCELLENCE | CHILDREN'S HEALTHCARE OF ATLANTA NORTH DRUID HILLS HOSPITAL AND CAMPUS

Children's Healthcare of Atlanta is creating a dedicated pediatric campus to meet forecasted patient care and space needs for Georgia's children. The North Druid Hills Campus is a 78-acre development with both in-patient and outpatient treatment facilities, emergency care, a medical office building, and Ronald McDonald house. Lowe Engineers worked collaboratively with all stakeholders on 45 acres of the site design which includes:

- Utility Relocation Projects within the existing office park prior to site and building demolition
- 20-story Hospital plus heliports (1.5 million sf)
- 16-story Medical Office Building
- Two Parking Garages (8 and 9 Levels)
- Central Utility Plant
- 20 acres of Green Space on the Campus
- A Campus Roadway System
- ADA mobility throughout the campus
- Redundant Utility Network
- Stormwater Management and Water Quality Systems
- Planning for a short-term family housing building (Ronald McDonald House)
- Planning for multiple future medical clinic building pad sites





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PROJECT OF EXCELLENCE | CHILDREN'S HEALTHCARE OF ATLANTA NORTH DRUID HILLS HOSPITAL AND CAMPUS

The site design included several unique attributes for both the hospital and campus.

- Significant low-impact development elements and green areas are designed across the campus.
- Due to the complexity of the existing office park's utility network and how it served surrounding commercial and residential properties, detailed strategic planning and utility relocation design were critical components and required close collaboration with multiple stakeholders.
- Challenging coordination of office park building evacuation prior to demolition while preserving the ability of existing and adjacent businesses to stay open during demolition and construction.
- Significant rock blasting and excavation for the basement level of the hospital. This included a seismic monitoring program with the neighboring residents to ensure their confidence and their home's structural integrity.
- Two separate watersheds onsite for stormwater management treatment and outfall considerations
- Two separate sewer sheds onsite and service pipeline considerations
- Creation of simple, easy-to-follow traffic patterns while separating the emergency ambulance and service truck traffic from patient traffic.
- Accessibility to the campus from multiple roadways
- Detailed coordination with the adjacent GDOT I-85/North Druid Hills interchange redesign.
- Campus connections to the adjacent interchange reconstruction are being coordinated with the upcoming GDOT design and construction, requiring temporary entrance designs for use when the hospital opens and the GDOT interchange is still under construction.

