

ACTS OF KINDNESS
CREATE A PHILANTHROPIST

RATTAN KHOSA (M.S. '71 STRUCTURAL ENGINEERING)

grew up in upper-middle class comfort in India, thanks to his father's job as a civil engineer. But after earning two undergraduate degrees in science and civil engineering and graduating first in his class, Khosa had difficulty finding work. He initially faced discrimination in his hometown because of religious differences, then faced discrimination elsewhere in India because he was not from the local community.

Thus began a string of challenges that would reframe his understanding of hard work, determination, and what success truly means.

Khosa knew the United States was a better option for the career and acceptance he sought. After several years of working toward this goal, he received a structural engineering fellowship at the University of Maryland.

Due to a foreign currency exchange crisis in India at the time, Khosa arrived with less than \$4 in his pocket. His first few semesters at Maryland were financially challenging, with fellow students lending Khosa money so he could afford basic necessities such as heating and food. "I lived below the poverty level," he recalls. "But coming to UMD got me out of where I was—feeling stuck in India with few career prospects—and helped me see that I could do anything."

Khosa credits the generosity he received with becoming the philanthropist he is today. Students gave him hand-me-downs, loaned him their cars, and taught him to cook, while faculty—particularly his adviser, former Professor Conrad Heins—offered exceptional mentorship and encouragement.

"I completely changed my attitude from 'success is all about me' to 'success is about helping others succeed,'" he says. "I wouldn't be who I am without the Clark School."

After obtaining his master's from Maryland, Khosa earned his MBA from the University of Chicago Booth School of Business and founded successful post-tensioning company AMSYSCO. In 2014, he funded the Rattan L. Khosa Graduate Endowed Scholarship in Structural Engineering at the Clark School, which provides awards for graduate students in the Department of Civil and Environmental Engineering.

"Education is a major catalyst to move forward for yourself, for your family, and for those around you," says Khosa. "By becoming better through hard work and dedication, you can better the lives of other people."

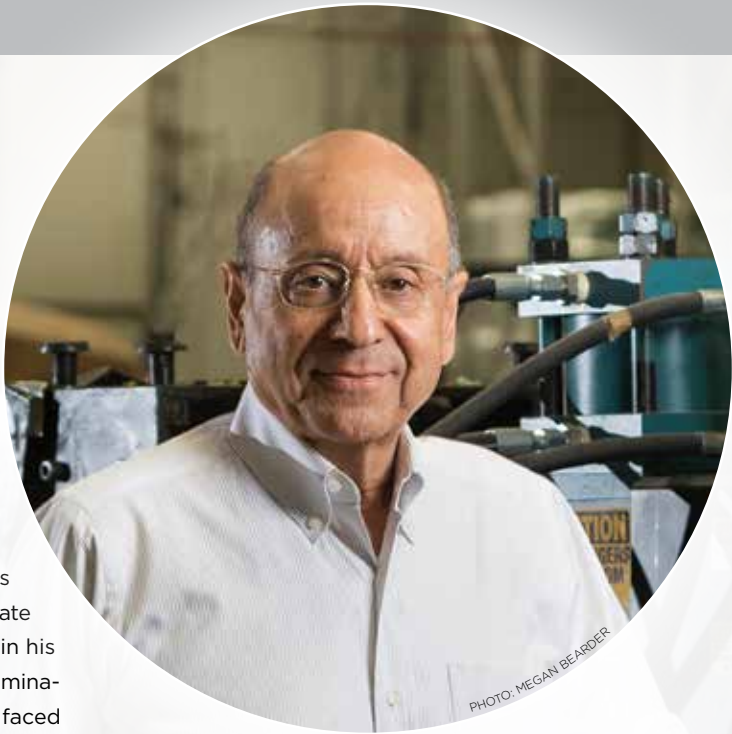


PHOTO: MEGAN BEARDER

THANK YOU,
RATTAN KHOSA
AND ALL OF OUR DEAN'S CIRCLE DONORS!

The Dean's Circle recognizes and celebrates those individuals who have given \$100,000 or more during their lifetime to the A. James Clark School of Engineering.

To learn how you can make a charitable donation today and make a significant difference in the future of the Clark School, contact Leslie Borak, assistant dean for external relations.

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A. JAMES CLARK
SCHOOL OF ENGINEERING
DEAN'S CIRCLE

STUDENT ACHIEVEMENTS

Racing Toward Success

Balancing athletics and coursework isn't always easy, but Patrick Hanley and Aaron Barlev are two Terps who know how to excel on and off the track. The mechanical engineering majors—both New Jersey natives and Presidential Scholarship recipients—are members of the University of Maryland track and field team who have been recognized for their outstanding academics.

Hanley knew from a young age that he wanted to change the world, so it was no surprise that he chose to pursue a hands-on course of study in engineering. He has worked two co-ops and plans to complete another before graduating. Most recently he worked at K2M, a leading company in complex and minimally invasive spine technologies, where he gained experience that many other students his age haven't yet gotten, like working in a cadaver lab.

Hanley walked on to the track and field team as a junior, earning his spot by first training with UMD's running club. It's this same persistence and determination that have made him a standout in academics, too. In Spring 2017, during his first year on the track team, Hanley was awarded the Intercollegiate Athletics (ICA) Academic Achievement Award for earning the highest cumulative GPA on the team and was one of only eight male student athletes at UMD to be a Big Ten Distinguished Scholar for having a GPA above 3.7.

"Engineering keeps me really focused and motivated throughout the day," explains Hanley, "so I'm able to apply that motivation towards track and also the other way around."

When he arrived at the Clark School as a freshman, Barlev hit the ground running—literally and figuratively. He was recruited to the Maryland track team and accepted into the First-Year Innovation & Research Experience (FIRE), a program that provides mentorship and hands-on research experience.

"FIRE has been the most impactful and valuable thing I've done on campus," says Barlev, "because it provided a space to freely pursue my passion for robotics early in my undergraduate education."

In FIRE, he worked with Assistant Clinical Professor Derrick Yeo on autonomous unmanned systems and has continued his work with Yeo as both a peer mentor and research fellow. In his fellowship, Barlev integrated both his engineering and athletic passions. Inspired by attempts by Puma, he created a self-driving, mini pacer car that uses vision to guide itself around a running track.

Despite his demanding training schedule, Barlev stays involved on campus as the treasurer of the Pi Tau Sigma Mechanical Engineering Honors Society while also staying on top of classes, having received the Big Ten Distinguished Scholar Award.

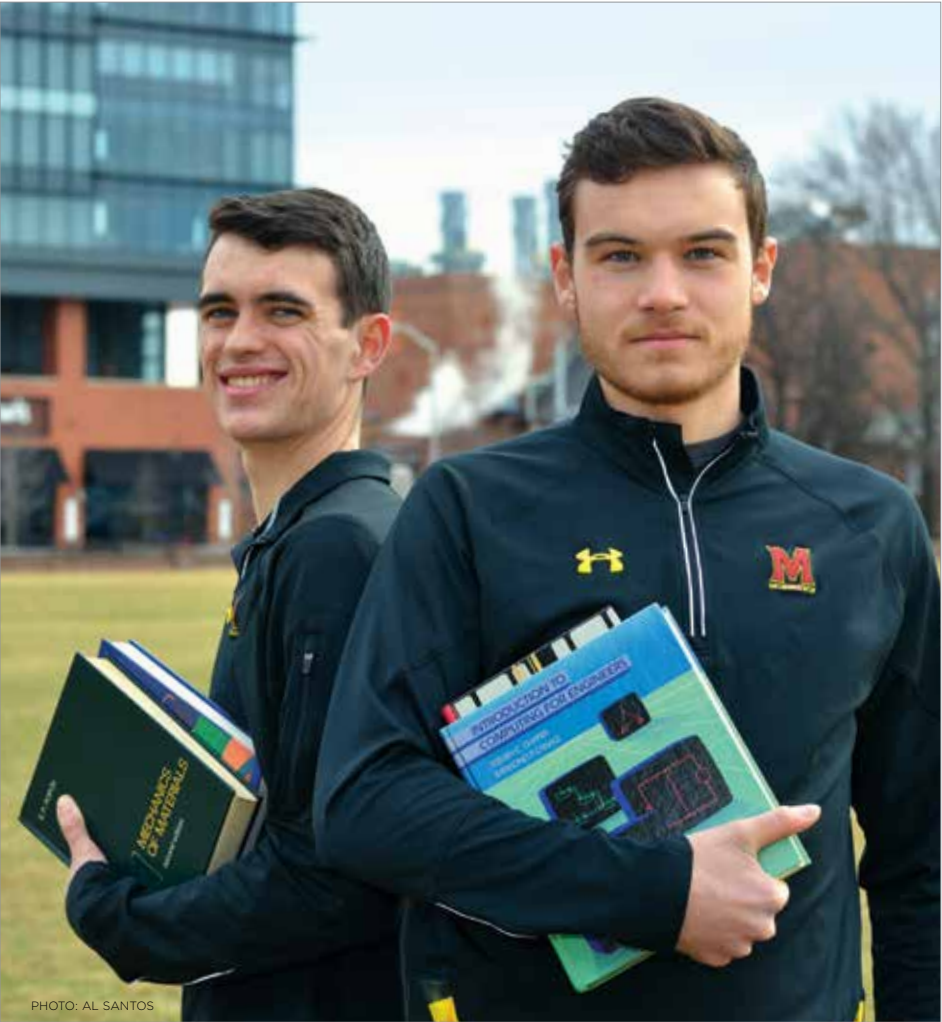


PHOTO: AL SANTOS

Patrick Hanley and Aaron Barlev.