



Davidson Institute  
**Fellows Scholarship**

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## **SCHAUMBURG TEEN AWARDED \$10,000 SCHOLARSHIP FOR DEVELOPING INNOVATIVE SAFETY ALGORITHM FOR AUTONOMOUS VEHICLES**

### **Anirudh Chari Named 2023 Davidson Fellows Scholarship Winner**

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Chicago – The Davidson Fellows Scholarship Program has announced the 2023 scholarship winners. Among the honorees is 17-year-old Anirudh Chari of Schaumburg. Chari won a \$10,000 scholarship for his project, *Space-Time Conflict Spheres for Constrained Multi-Agent Motion Planning*. He is one of only 21 students across the country to be recognized as a 2023 scholarship winner.

“I’m incredibly grateful to be recognized as a 2023 Davidson Fellow,” said Chari. “This achievement serves as further motivation for me to conduct scientific research that advances the human condition, and to inspire others to do the same.”

Influenced by his fascination with cars and a realization of the inherent dangers of today’s roads, Chari saw autonomous vehicles as a potential solution. His project aims to solve a critical problem in autonomous vehicle technology by offering a more flexible trajectory representation strategy. This new approach provides a formal guarantee for collision-free navigation in settings involving dynamic obstacles, thus ensuring the safety of pedestrians, cyclists, and human drivers in a future where autonomous vehicles are commonplace.

Chari is a rising senior attending the Illinois Mathematics and Science Academy in Aurora. He was the youngest invitee at the 2023 IEEE (Institute of Electrical and Electronics Engineers) Intelligent Vehicles Symposium in Anchorage, Alaska where he presented his research. In his free time, Chari enjoys playing piano, lifting weights, studying ancient philosophy, and experiencing the thrill of driving.

“We are proud to announce this year’s class of Davidson Fellows Scholarship recipients who have completed significant projects with the potential to benefit society in the fields of science, technology, engineering, mathematics, literature, and music,” said Bob Davidson, founder of the Davidson Institute. “The innovations and new thinking added by each class of Fellows

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serve as an inspiration for future scholars to apply novel technologies and groundbreaking ideas to solve the world's most difficult problems.”

The 2023 Davidson Fellows will be honored during a reception at the Smithsonian National Museum of the American Indian in Washington, D.C. and with a virtual project presentation ceremony in September 2023.

The Davidson Fellows Scholarship program offers \$50,000, \$25,000 and \$10,000 college scholarships to students 18 or younger, who have completed significant projects that have the potential to benefit society in the fields of science, technology, engineering, mathematics, literature and music. The Davidson Fellows Scholarship has provided more than \$9.4 million in scholarship funds to 428 students since its inception in 2001, and has been named one of the most prestigious undergraduate scholarships by [U.S. News & World Report](#). It is a program of the Davidson Institute, a national nonprofit organization headquartered in Reno, Nev. that supports profoundly gifted youth.

#### **About the Davidson Institute**

Founded by Bob Davidson in 1999, the Davidson Institute recognizes, nurtures and supports profoundly intelligent young people, and provides opportunities for them to develop their talents to make a positive difference. The Institute offers support through a number of programs and services, including the Davidson Fellows Scholarship and the [Davidson Academy of Nevada](#). For more information about the 2023 Davidson Fellows, please visit: [DavidsonFellows.org](#).

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*High-resolution photos are available at*

[DavidsonFellows.org](#)