



Davidson Institute  
**Fellows Scholarship**

For Immediate Release  
August 15, 2023

Contact: Megan Bedera  
775-997-5690  
Megan@AmplifyRelations.com

**BELLEVUE TEEN AWARDED \$50,000 SCHOLARSHIP FOR  
DEVELOPMENT OF THEORETICAL FRAMEWORK FOR MIXED GRAPH  
ANALYSIS**

**Edward Yu Named A 2023 Davidson Fellows Scholarship Winner**

---

Seattle – The Davidson Fellows Scholarship Program has announced the 2023 scholarship winners. Among the honorees is 18-year-old Edward Yu of Bellevue. Yu won a \$50,000 scholarship for his project, *Turán Problems for Mixed Graphs*. He is one of only two students nationwide to be recognized as a Davidson Fellows Laureate and one of only 21 scholarship winners in the 2023 Fellows class.

“I’m deeply honored and grateful for the opportunity to join a cohort of inspiring creators, scientists and artists,” said Yu. “I feel both humbled and lucky to have my research be recognized by the Davidson Institute, and I am thankful for the encouragement to continue pursuing my passion in math and science.”

Motivated by his love for math and a fascination with the interconnectedness of the world around us, Yu dedicated his project to studying the structure and density of mixed graphs, networks whose nodes can be connected by directed or undirected edges. His research provides a theoretical framework that could help deepen our understanding of large-scale data networks with complex structures.

Yu is a graduate of Lakeside School in Seattle and will be attending Massachusetts Institute of Technology in the fall where he plans to study mathematics and computer science. Outside of school, Yu leads a local math circle, performs in the city youth orchestra, and enjoys reading across various genres. In his free time, Yu enjoys taking walks with friends and his pet drone.

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

Cont.

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](#).

###

*High-resolution photos are available at*  
[DavidsonFellows.org](#)