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FORT LEE TEEN AWARDED \$10,000 FOR DEVELOPING GENETIC DEEP-LEARNING TECHNIQUE TO IMPROVE PERSONALIZED CANCER TREATMENTS

Jason Ping to be Named a 2020 Davidson Fellow Scholarship Winner

Fort Lee, N.J. – The Davidson Fellows Scholarship Program has announced the 2020 scholarship winners. Among the honorees is 18-year-old Jason Ping of Fort Lee. Ping won a \$10,000 scholarship for his project, *Enabling Personalized Medicine: A Novel Deep Learning Tool for Classifying Genetic Mutations Using Text from Clinical Evidence*. He is one of only 20 students across the country to be recognized as a scholarship winner.

“I am deeply honored to be named a Davidson Fellow, for the distinction not only validates my efforts within scientific research, but also further motivates me to continue down this path of academia and science,” said Ping. “I am incredibly grateful to the Davidson Institute for its support, and I cannot be more excited to become a part of a network of other awe-inspiring Fellows.”

For his project, Ping developed a deep-learning technique that can predict the effects and oncogenicity of genetic mutations through interpreting biomedical literature with 92.3 percent accuracy. Ultimately, this tool can better streamline the cancer treatment process, help facilitate personalized medicine, and lead to the development of new potential therapies for cancer patients.

Ping will be attending Stanford University in the fall where he plans to study computer science with a concentration in artificial intelligence.

“We are proud to announce the 2020 Davidson Fellows Scholarship recipients and applaud them for their hard work and achievement in their fields of study,” said Bob Davidson, founder of the Davidson Institute. “By being awarded this recognition, these students have shown immense skill and work ethic, and they should be commended as they continue their educational and research journeys while continuing to work to solve some of the world’s most vexing problems.”

The 2020 Davidson Fellows will be honored during a digital reception on September 30, 2020.

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 \$8.2 million in scholarship funds to 366 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 for Talent Development, 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 for Talent Development 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 2020 Davidson Fellows, please visit www.DavidsonGifted.org/Fellows-Scholarship.

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High-resolution photos are available at www.DavidsonGifted.org/Fellows-Scholarship.