



Davidson Fellow Laureate Marcin Mejran

(\$50,000 Scholarship Recipient)



Personal Info

Marcin Mejran

Age: 16

Brooklyn, New York

School, College and Career Plans

Marcin plans to continue his research interests while he begins work on a degree in Applied and Computational Mathematics at Stanford University this fall.

Davidson Fellows Submission

(Mathematics/Science/Technology)

In his project, *Measuring Transcriptional States with a Highly Parallel Single Molecular Resequencing Approach*, Marcin measured transcriptional states with a highly parallel single molecular resequencing approach with error models, probabilistic analysis and algorithms based in genomics, bioinformatics, computational mathematics and computer programming. Marcin's work is an innovative breakthrough in a specific area of human genome research.

Biography

Marcin was born in Warsaw, Poland and moved to the United States in 1992 when he was seven years old.

Since the fifth grade, Marcin has been interested in the complex and varying applications of mathematics. Marcin began to take university-level math courses in the sixth grade, and by the seventh grade, his interests began to gravitate toward applied mathematics.

By the time Marcin reached the eighth grade, he was taking graduate-level math and applied math courses from New York University's Courant Institute of Mathematics, one of the top-ranking applied math departments in the country. He has also taken advanced-level mathematics courses through Stanford University's EPGY program and at Polytechnic University in Brooklyn.

Marcin's research at Courant focused on genomics, and he has also studied dynamical systems at Cornell University. He has numerous computer skills in applications and programming languages.

Marcin is a member of the Society for Industrial and Applied Mathematics (SIAM) and a member of the Study of Exceptional Talent (SET) at Johns Hopkins University.

Please see next page.

The Davidson Institute for Talent Development

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(Cont.)

Honors/Awards

- 2002 Davidson Fellow Laureate (September)
- International Science and Engineering Fair, Third Place in Biochemistry

Community Activities

Marcin has worked as an advocate on educational issues including the improvement of math education throughout the country and the accessibility to education in the United States.

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