



**Davidson Fellow
Matthew Goldstein**

(\$25,000 Scholarship Recipient)



Personal Info

Matthew Goldstein

Age: 17

Delmar, NY

School, College and Career Plans

Matthew recently completed his junior year at Bethlehem Central High School. As a senior, Matthew will take AP courses and will continue his accelerated science track through independent study. He is searching for colleges and hopes to study either engineering or computer science. In the future, he would like to continue developing technology.

Davidson Fellows Submission (*Technology*)

In his project titled "DoorManBot: Instant Message Relaying for Offline Users," Matthew Goldstein invented DoorManBot, the e-version of an answering machine for AOL's Instant Messaging (AIM) users. Instant messaging is a popular form of communication, but it only works when users are online at the same time. Matthew designed a complex system of connections and databases that enables users to leave a secure message for someone who is offline and then delivers an automatic confirmation once the message has been read.

Biography

Although Matthew takes rigorous AP courses, no teacher, friend or parent could help him with the problems he encountered when working on his instant messaging project, DoorManBot. Matthew determined solutions on his own, became knowledgeable about the entire system, and successfully completed an offline instant messenger program.

In addition to taking AP American History, Matthew had the opportunity to recreate history as a crewmember on The Half Moon. The Half Moon, a replica of Henry Hudson's ship that originally sailed up the Hudson River in 1609, was crewed by Matthew and others in the fall of 2000.

He is an instrumental and vocal musician, playing trombone in his school's wind ensemble and jazz band and singing in the school chorus, a male vocal group, and school musicals. In addition to the musicals, he also performs in yearly Shakespeare productions. Other activities include participation in a Model UN club and a trivia gameshow team.

In addition to DoorManBot, Matthew runs a web-hosting business for himself and his friends.

Please see next page.

The Davidson Institute for Talent Development

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(Cont.)

Honors/Awards

- 2004 Davidson Fellow
- 2004 Rochester Institute of Technology Computing Medal Recipient, Spring
- 2004 Tzafon Region United Synagogue Youth Online Services, Chair
- 2004 Model United Nations Secretary
- 2003 American Mathematics Competition contest, School's Highest Score
- 2003 Music Student of the Quarter, Fall
- 2003 Bethlehem Central High School Performances Tech, Supervisor
- 2003 Tzafon Region United Synagogue Youth Heschel Honor Society, Co-Chair
- 2003 Lev Tzafon Chapter Communications Officer
- 2001 Bethlehem Central Middle School Math Olympiad, High Score

Community Activities

Matthew serves as the communications officer for his local youth group's chapter, and maintains a website as the online services chair for his regional youth group.

In school, Matthew volunteers his time at the computer help desk, working there during the school year and over the summer to help teachers and to maintain the school's computer systems. He is also in charge of the sound, lighting, and stage needs for the school's theater performances.

Since 2001, Matthew has been a member of the United Synagogue Youth social action projects. He also served as a Kadima Advisor from 2002-2003.

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