

## ABOUT TIM CHARTIER



**Tim Chartier** is a professor of mathematics and computer science who specializes in data analytics. He consults with ESPN, the New York Times, the US Olympic Committee and teams in the NBA, NFL and NASCAR. Tim also oversees 70 student researchers who supply analytics to Davidson College sports teams. Beyond authoring books such as *Math Bytes: Google Bombs, Chocolate-Covered Pi, and Other Cool Bits in Computing*, Tim has worked on Google and Pixar educational initiatives. Tim's authorship, research, and scholarship have been recognized with national leadership positions and multiple awards including an Alfred P. Sloan Research Fellowship, and the Mathematical Association of America's Beckenback Book Award.

[math.arizona.edu/outreach/Bartlett\\_lecture](http://math.arizona.edu/outreach/Bartlett_lecture)

## ABOUT DANIEL BARTLETT



Daniel Wezelman Bartlett was born November 8, 1980. He died of sudden cardiac arrest on August 8, 2006, just before commencing his fourth year of graduate school in mathematics at the University of Arizona. He was a wonderful and loving son to his parents, a close companion to his younger sister, and fierce friend for many.

Daniel was born with physical impairments, but that didn't stop him from enjoying life. He played piano, trumpet, and shofar; he was a chess player; and he was an academic athlete, winning scholarships and contests for Academic Decathlon, economics, and the annual Shakespeare monologue competition. (He loved portraying Iago). He was a proud leader in his B'rith Youth Organization.

Daniel's academic interests were not restricted to mathematics. As a junior in high school he was selected for the Telluride Association Summer Program at Cornell, an intense program in the humanities.

He graduated from University High School in Tucson both as a Presidential Scholar and a National Merit Scholarship winner.

Daniel loved mathematics and excelled at it all his life. He went to Harvard for his undergraduate work, concentrating in mathematics, where his advisor was Barry Mazur. While an undergraduate, he worked one summer at the University of Arizona Astronomy Department and another summer at the National Security Administration, where he co-authored a classified paper. He received his BA degree in 2003.

While studying for his PhD at the University of Arizona, Daniel had narrowed his research interest to the field of algebraic geometry, and at the time of his death he was beginning the work he hoped to use for his doctoral dissertation.

Members of the department create, communicate, and apply mathematics of the highest caliber through activities such as internationally recognized research and graduate education, award winning undergraduate programs, and extensive outreach to local schools.

The department's faculty includes two Regents' Professors, three University Distinguished Professors, and numerous recipients of national and international awards. Over the last five years, a large percentage of the faculty has been awarded grants and contracts from external funding agencies, with total awards averaging about \$5 million per year.

The department offers PhD, MS, and MA programs in Mathematics and Mathematics Education, and it provides major contributions to the Graduate Interdisciplinary Degree Programs in Applied Mathematics and Statistics. It also offers several unique post-doctoral opportunities for recent PhDs planning careers in research and education.

At the undergraduate level, the department provides more than 70,000 credit hours of instruction per year and offers its more than 600 majors unparalleled opportunities for research, tutoring experiences, and internships. The undergraduate, graduate, and GIDP programs have recently been recognized with two 5-year, \$3.5 million VIGRE training grants from the National Science Foundation, a distinction very few programs in the country can match.

The department has a long and excellent tradition of outreach to schools in Tucson, ranging from programs supporting high school teachers to a research center focusing on improving the mathematics education of low-income Latino students.

Through the breadth and quality of its programs, the Department of Mathematics makes major contributions to the mission of the University of Arizona and to the quality of life in Tucson and beyond.

**Doug Ulmer**

Professor and Head

The University of Arizona Department of Mathematics

## DANIEL BARTLETT MEMORIAL FUND

Generous contributions by Daniel's family and friends have made it possible to establish this fund, whose purposes are to memorialize Daniel Bartlett, to foster awareness and appreciation of mathematics of the highest level in the Tucson community, and to support graduate education in Mathematics at the University of Arizona. The inaugural Daniel Bartlett Memorial Lecture was given in 2008 by Barry Mazur, Gerhard Gade University Professor, Harvard University.

ABOUT  
THE LECTURE

# GET IN THE GAME

Sports analytics has gathered tremendous momentum as one of the most dynamic fields. Diving deep into the numbers of sports can be game changing or simply a fun exercise for fans. How do you get in the game with numbers? What questions can be explored? What actionable insights can be gleaned? From March Madness to national media broadcasts, analytics are becoming increasingly indispensable. Dr. Tim Chartier will discuss outlooks that help with successful analytics, and the variety of questions that can be tackled. He will also share how he leads students to dig into sports using math and computer science, and their great success across the NBA, NFL, NASCAR, ESPN and his own college teams. Learn how to get in the game — as a sports analyst!

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GET IN THE  
GAME



# GET IN THE GAME

TIM CHARTIER

2019  
DANIEL BARTLETT  
MEMORIAL LECTURE

Thursday, April 4, 2019  
6:30pm – UA Campus

ENR2 Building  
Environment & Natural Resources 2  
Room N120

1064 E. Lowell Street  
Tucson, AZ 85721

*Dessert and cash bar reception in ENR2  
Courtyard, following the lecture*