Mr Michael Colucci ’82  
Class of 1982 President  
2915 Nottingham Dr. E  
Saginaw, MI 48603  

October 4, 2012

Dear Class of 1982,

The Undergraduate Research Opportunities Program (UROP) continues to be extremely popular with undergraduate students at MIT, and I am happy to share this year’s report on the Class of 1982 “Do It” UROP Fund. As you know, this unique program enables students to work with faculty on research-based collaborations during a semester-long internship. Through this experience, students are given personal attention by the faculty as they investigate areas of interest. They also gain practical skills and knowledge that will aid them in careers after graduation or as graduate students.

Robert Bertucci, Class of 2014, was awarded funding by the Class of 1982 for his UROP this past summer in the Edgerton Center. I hope you enjoy reading his description and proposal on the next page, where you can see why this particular study interested him.

In November, you will receive the financial endowment report on this fund for the 2012–2013 fiscal year, showing the most recent book and market values. This letter is meant to complement that report by demonstrating the impact your generosity provides to students today.

Students and faculty alike highly value the experience UROP offers. The program’s continued success is due, in large part, to the ongoing support and generosity of alumni. On behalf of the Alumni Association, I thank the members of the Class of 1982 who contributed to this fund as well as the class officers who made this endowment a fundraising priority.

Sincerely,

Beth McGonagle  
Director, Donor Relations & Stewardship

**Fund purpose:** Support for undergraduates who wish to pursue their own research ideas as a UROP project.

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**Robert J. Bertucci, ’14**  
**Major:** Electrical Engineering and Computer Science  
**Supervisor:** Dr. Edward J. Moriarty  
**Project Title:** Research in Biomechanics of Pitching for Injury Prevention  
**UROP Department:** Edgerton Center  
**Total Award:** $4,625.00 for Summer 2012

**Project Description:** Creating an elastic sleeve housing an accelerometer and other sensors to be worn on the arm of a pitcher to gauge force and strain on the elbow and shoulder in an effort to better understand and analyze pitchers’ biomechanics with the goal of improving mechanics to limit and prevent injury.

**From Robert’s proposal:** “I am a pitcher on the MIT Varsity baseball team, and last year I tore my Ulnar Collateral Ligament while pitching, ending my season and requiring surgery to reconstruct my elbow. I made a successful recovery, but as a pitcher who has sustained a major injury before, I am particularly driven to do research in injury prevention. There is a serious problem with the injury rate in pitchers at all levels of baseball and I have experienced it first hand. This project fits perfectly for me and I would consider it a success if I could help prevent even one pitcher from suffering an injury like I did.”