

# HEAR FROM STUDENTS AND GRADUATES



*Henry Shi*

Henry Shi gave Bloomberg Sports a small taste of Hollywood during his co-op term in 2012. A second-year computer science student at the University of Waterloo, Shi developed software similar to the program popularized in the film *Moneyball*. Shi's software allows coaches to compare the average speed of a pitch to the number of strikeouts, assessing every pitch an opposing team has thrown for the past three years. It was used by Bloomberg's Major League Baseball clients and one of these clients used the information to move from the bottom of the rankings to the top of its division. In 2013, Shi was recognized as one of the top co-op students of the year by the Canadian Association for Co-operative Education. He is now putting his university knowledge and co-op experience to work for himself as an entrepreneur.

It makes sense that an aerospace engineer would be responsible for the development of software that analyzes airplane incidents and crashes – it becomes extraordinary when a 21-year-old intern does it successfully. Bradley Jung was employed by the National Research Council's Flight Research Lab as a co-op student while studying aerospace engineering at Carleton University. Jung worked in the flight recorder playback centre, an aircraft maintenance facility that analyzes flight recorder systems, also known as black boxes. He developed a computer program that constructs an estimate of an aircraft's flight and presents the data in an interactive, visual format that is now used by engineers in the reconstruction of aircraft incidents. The program has already been used in high-profile incidents, allowing the lab to deliver quicker flight animations and analyses, ultimately improving aircraft safety.



*Bradley Jung*