HEAR FROM STUDENTS
AND GRADUATES

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 Bloom-
berg’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 Educa-
tion. He is now putting his university knowledge and
coop experience to work for himself as an entrepreneur.

It makes sense that an aerospace engineer would be respon-
sible for the development of software that analyzes airplane
incidents and crashes – it becomes extraordinary when
a 21-year-old intern does it successfully. Bradey Jung
was employed by the National Research Council’s
Flight Research Lab as a co-op student while study-
ing 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.