



BASEF

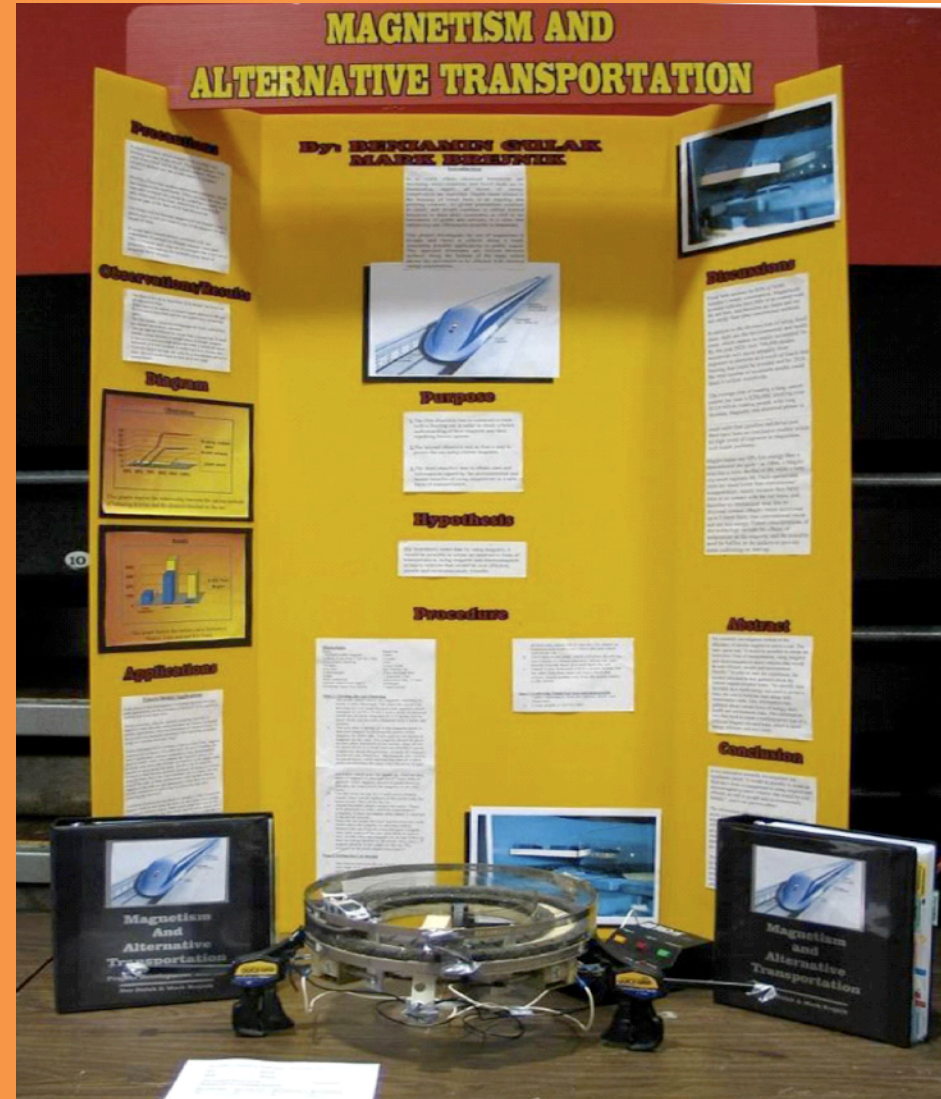
Alumi Inventor

Ben Gulak

BASEF 2004

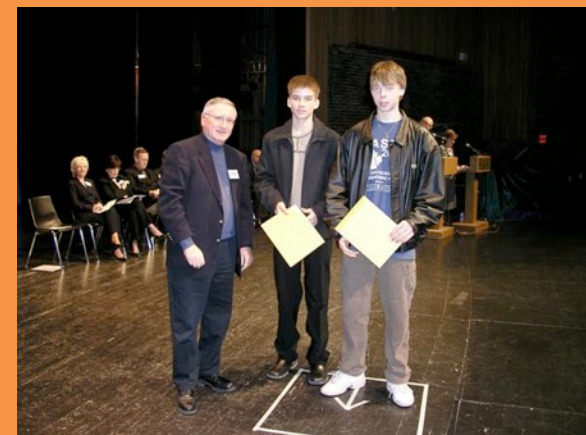
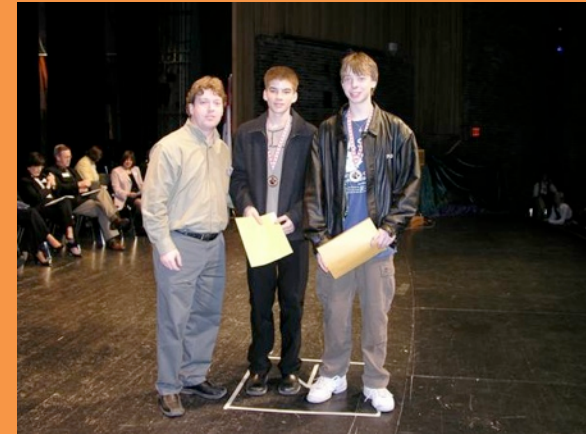
To create
a magnetized
track which will
elevate a car

Ben Gulak
Mark Brejnik



2004 Awards

- Bronze Merit Awards
- Primary Fluid Systems Engineering Award – Junior & Intermediate
- Procor Award – Intermediate



Intel International Science & Engineering Fair

Trip Award



Portland, Oregon



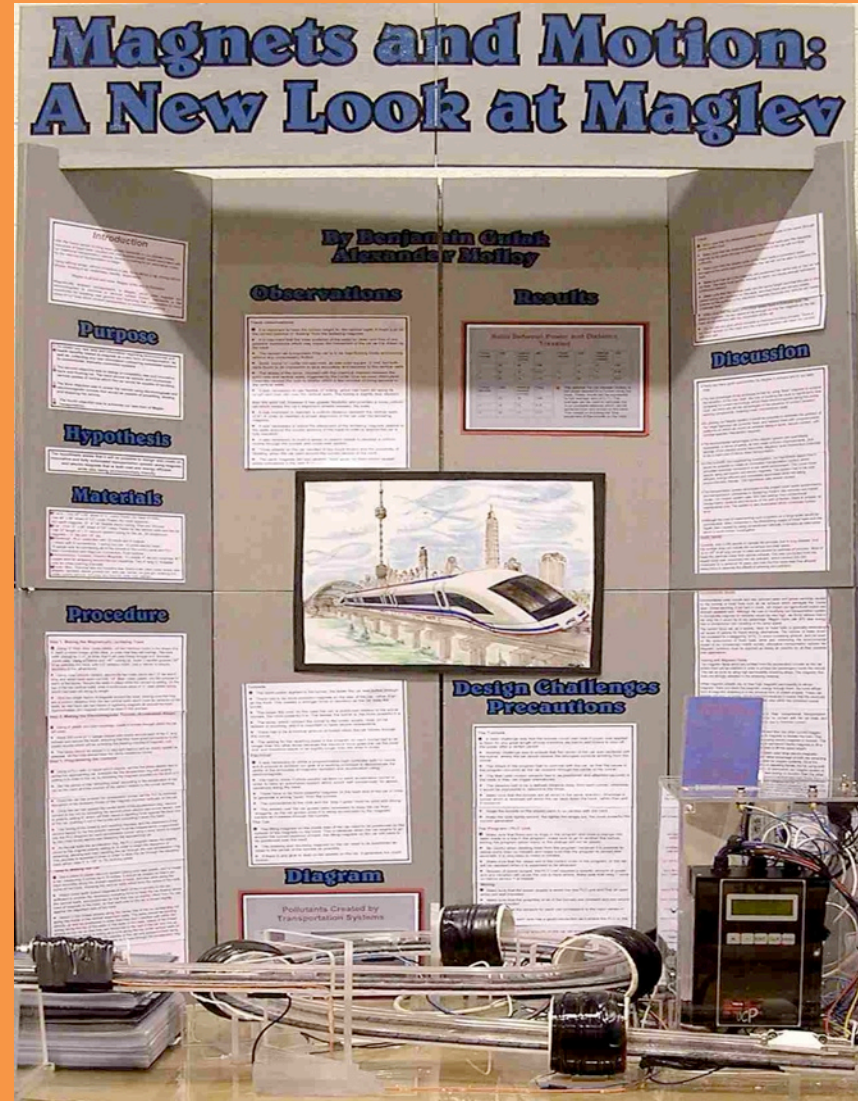
Friday, July 31, 2009

BASEF 2005

Magnets and Motion: A New Look at Maglev

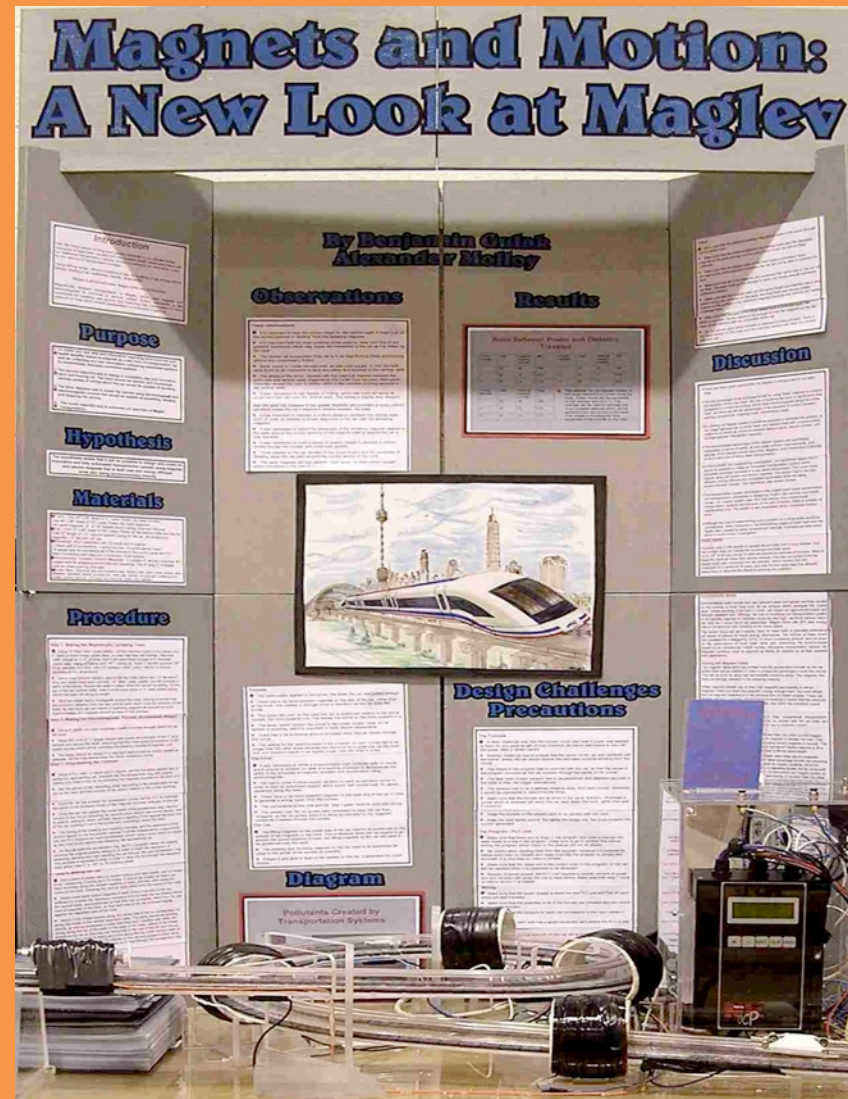
Benjamin
Gulak

Alexander Molloy



2005 Awards

- Silver Merit Awards
- Dofasco Engineering & Maintenance Technology Award
- Electrical Construction Association of Hamilton Award
- McMaster University Faculties of Science and Engineering Tuition Award
- Mechanical Contractors Association of Hamilton Award
- Mohawk College Electro Technology Award: Computer Engineering Electronics/ Electrical
- Primary Fluid Systems Engineering Award Junior & Intermediate
- The Tinnerman Palnut Engineered Products (Canada) Corporation Award



BASEF 2006

CSI: Controlled
Spherical Intelligence

Benjamin Gulak
Alexander Molloy



2006 Awards

- Gold Merit Award
- Herbert Hoover Young Engineer Award
- Yale Science & Engineering
- McMaster University Faculties of Science and Engineering Tuition Awards
- Mechanical Contractors Association of Hamilton Award
- National Science and Engineering Research Council (NSERC) Awards
- Procor Engineering Awards – Senior
- McMaster University Faculties of Science and Engineering Tuition Awards



2006

Canada Wide Trip

Benjamin Gulak Alexander Molloy

CSI: Controlled Spherical Intelligence



Through the YSF they also
attended the
**Intel International Science &
Engineering Fair**

www.scitechontario.org/tc_2006_bg.php

2006 ISEF

- **Third Award of \$1,000**
- **Showboard, Inc.** For the best use of scientific method on a project display board
- **First Award of \$1,000**

2007

The Uno: Tomorrow's Transportation Solution

Benjamin Gulak
Jason Morrow



2007 IISEF



2008

MERIT AWARD JUDGES

... Gulak, Benjamin

From the 2008 BASEF AGM

- This year Mr. Ben Gulak a BASEF alumnus is shining out in the media with his last ISEF project, the UNO. Ben has appeared on many media fronts, including the front page of Popular Science magazine. Ben is currently involved in contract negotiations for some major funding to put his vertical powered cycle into production.



2008

5 to Watch

Boston Globe, October 5, 2008

He's Electric



MIT FRESHMAN BEN GULAK GOT A PHONE CALL IN MAY, right after he turned 19.

Jay Leno wanted to know if Gulak would come on *The Tonight Show* to show the world his invention, the Uno, a compact electric motorcycle whose wheels are aligned side by side instead of front to back.

Gulak brainstormed the idea when traveling with his father in China three years ago. "The pollution was horrible," he says. "But there were all these different kinds of small vehicles - bikes and mopeds. I instantly thought of a green alternative: Why not an electric motorcycle?"

The Toronto native began sketching as soon as he got home and started the project for Canada's national science competition, where he took second place. After that, *Motorcycle Mojo* magazine wrote about the Uno, singer Kanye West blogged about Gulak, and he received an invitation to the Playboy Mansion in Los Angeles this past summer.

Gulak deferred MIT for a year to work full time on the Uno, and now he's hiring a CEO and securing investors, some of whom contacted him through Facebook. He says he's raised about half of his \$4 million goal.

He's not riding the slick bike to class yet (too ostentatious, he says), and he's still working out kinks. With funding, he plans to improve the battery and increase the speed. Right now, the Uno takes 20 minutes to charge for 15 minutes of run time, and its top speed is 15 miles per hour. "The numbers don't mean anything yet," he says. The Uno's biggest obstacle? The trust barrier. "There's no wheel to see between the handlebars," he says, "but you get used to it." He hopes to see Leno take a spin on it this fall.

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Some articles about Ben

- <http://www.the-uno-tomorrows-transportation.com/>
- <http://www.thestar.com/News/GTA/article/435856>
- <http://www.youtube.com/watch?v=hXO4Ki8qsvk>
- <http://www.motorcyclemojo.com/mojotv/dragonsden/>
- http://www.yssf.ca/News_Releases/news05130801.aspx
- <http://web.mit.edu/newsoffice/2008/gulak-tt0514.html>
- <http://www.engadget.com/tag/ben+gulak/>
- <http://www.faqs.org/patents/app/20080271938>
- [http://en.wikipedia.org/wiki/Uno_\(vehicle\)](http://en.wikipedia.org/wiki/Uno_(vehicle))
- <http://www.thespec.com/News/Local/article/379520>
- http://www.yssf.ca/News_Releases/news05130801.aspx
- <http://www.innovationcanada.ca/en/articles/uno-you-want-it>
- <http://technology.canoe.ca/Innovations/2007/05/22/4199470-ca.html>
- <http://www.dailymail.co.uk/news/article-562726/Hold-tight-The-worlds-unicycle-MOTORBIKE.html>
- http://www.motorcycleenhancements.com/uno_chicago_tribune/uno_chicago_tribune.htm
- <http://www.nytimes.com/2009/01/04/education/edlife/ideas-Uno-t.html?ref=edlife>
- <http://blog.bkfk.com/archive/2008/05/02/ben-gulaks-uno-electric-motorbike.aspx>
- <http://wakish.info/electric-uno-bike-the-bike-of-the-future-generation/>

